

August 9, 2006

Ms. Delrae Erickson  
Exchange Bank  
444 Aviation Boulevard  
Santa Rosa, CA 95403

**Re: Quarterly Groundwater Monitoring Report – Second Quarter 2006, Former Exchange Bank Data Center, 330 Sebastopol Road, Santa Rosa, California, NCRWQCB Case No. 1TSO089**

Dear Ms. Erickson:

This report presents the results of Winzler & Kelly Consulting Engineers' (Winzler & Kelly's) second quarter 2006 groundwater monitoring and sampling activities performed on June 13 and 14, 2006, at the Former Exchange Bank site (site) located at 330 Sebastopol Road, Santa Rosa, California (Figures 1 and 2). In addition, an update of the biosparge remediation system operation is provided.

#### **SECOND QUARTER 2006 GROUNDWATER MONITORING AND SAMPLING ACTIVITIES**

The Site-Specific Sampling Procedures, provided in Appendix A, describes in detail monitoring and sampling activities that were performed at the site on June 13 and 14, 2006. A brief summary of these activities is also provided below. Of the eight existing monitoring wells present at and in the site vicinity, sampling is no longer required in wells M-5 and M-8. Additionally, well M-8 is no longer required to be included in depth-to-water measurements.

#### **FIELD ACTIVITIES**

**Personnel Present:** Winzler & Kelly's Environmental Engineer, Pon Xayasaeng, and Environmental Scientist, Lenny Laskowsky, performed the groundwater monitoring and sampling activities.

**Dissolved Oxygen:** On June 13, 2006, a calibrated dissolved oxygen (DO) meter was used to measure the concentrations of DO in the monitoring wells (except M-8). The DO readings were obtained while the biosparge system was operating.

**Biosparge Shutdown:** Following DO measurements, the biosparge system was shutdown on June 13, 2006, to allow groundwater levels to equilibrate.

**Depth-to-Water:** On June 14, 2006, the depth-to-groundwater (DTW) was measured in the monitoring wells (except M-8). DTW measurements were obtained using an electronic water level meter.

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**Purging:** Prior to sampling, an electronic 12-volt, 1.5-inch submersible pump was used to purge the monitoring wells scheduled for sampling (M-1 through M-4, M-6, and M-7) until the indicator parameters of pH, conductivity, and temperature had stabilized or until the well dewatered. A copy of each Well Sampling Data Sheet is provided in Appendix B.

**Monitoring Well Sampling:** On June 14, 2006, groundwater samples were collected from monitoring wells M-1 through M-4, M-6, and M-7. New disposable bailers were used to collect and transfer groundwater into the appropriate laboratory-supplied, certified clean sample containers.

**Chemical Analysis:** Analytical Sciences Laboratory (Analytical Sciences) of Petaluma, California (a California-certified laboratory) analyzed the groundwater samples for total petroleum hydrocarbons as gasoline (TPH-G) by EPA Method 8015M, and for benzene, toluene, ethyl benzene, and total xylenes (BTEX), oxygenated fuel additives, and lead scavengers by EPA Method 8260B. In addition, groundwater samples collected from monitoring wells M-1, M-4, and M-6 were analyzed for phosphate and nitrate by EPA Method 300 (IC).

## SECOND QUARTER 2006 GROUNDWATER MONITORING RESULTS

The groundwater elevations and flow direction data are presented in Tables 1 and 2, respectively. A groundwater contour map, provided as Figure 3, illustrates the groundwater elevation contours at the site on June 14, 2006. As shown on Figure 3, the groundwater flow is toward the southwest at an approximate gradient of 0.003 ft/ft.

On June 13, 2006, DO concentrations were measured in each monitoring well (except M-8). Saturated DO concentrations in monitoring wells M-1, M-3, M-4, and M-6 indicated that the biosparging system is effectively introducing oxygen into the aquifer. Table 3 summarizes the DO concentrations, which ranged from 2.80 to 11.91 milligrams per liter (mg/L).

During groundwater purging activities, the parameters of pH, conductivity, and temperature were monitored and recorded. A summary of these indicator parameters for each well is provided in Table 3.

During the June 14, 2006 sampling event, nutrient concentrations were monitored in monitoring wells M-1, M-4, and M-6. Analytical results of the groundwater samples collected from each well indicated the presence of nitrate at concentrations of 1.6, 0.58, and 59 mg/L, respectively. The nitrate is located primarily in the area of M-6 and its origin is unknown. Phosphate was reported below the laboratory's reportable detection limits (RDLs). Analytical results are summarized in Table 3.

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Consistent with historic data, the groundwater samples collected on June 14, 2006, from monitoring wells M-2 through M-4 and M-7 were below the laboratory's RDLs for petroleum related constituents. The below detection limit concentrations in wells M-1 through M-4, and M-7, represent an approximately 90% average decrease in TPH-G concentrations in these wells compared to TPH-G concentrations prior to the start-up of the biosparge system [440 micrograms per liter ( $\mu\text{g}/\text{L}$ )] and an approximately 97% average decrease prior to installment of sparge points SP-9 through SP-11 (1,900  $\mu\text{g}/\text{L}$ ). The only petroleum constituents reported during this sampling event were TPH-G, ethyl benzene, and xylenes, which were quantified in M-6 at concentrations of 590, 10, and 8.6  $\mu\text{g}/\text{L}$ , respectively. A comprehensive summary of the analytical results is provided in Table 4. Analytical results of TPH-G, benzene, and methyl tert-butyl ether (MTBE) from June 14, 2006, are also provided on Figure 4.

The laboratory QA/QC included the use of method blanks to exclude false-positive analyses and the use of laboratory control samples to evaluate the percentage recovery of known analyte spikes. The recovery percentages for each of the sample analytes were within acceptable ranges. The complete laboratory report, QA/QC data, and the chain-of-custody form are included in Appendix C.

#### **BIOSPARGE REMEDIATION SYSTEM OPERATION UPDATE**

The biosparge system has been operating as designed for approximately 5,256 hours since the remediation system start-up in October 2000 and the system expansion in October 2003. Biosparge points SP-5 through SP-11 are currently operating during the hours of 8 a.m. to 6 p.m. to minimize noise disturbance to the surrounding residents. Each sparge point's maximum injection pressure is set at 25 pounds per square inch (psi) and the air flow rate set at 2.0 standard cubic foot per minute (scfm). The operation and maintenance data is included in Table 5.

#### **GEOTRACKER DATA ENTRY**

Winzler & Kelly has submitted their Annual Groundwater Monitoring Report Including First Quarter 2006 and the groundwater well measurement file for the June 14, 2006 monitoring event to the GeoTracker database. Copies of the upload verifications are included in Appendix D. Winzler & Kelly will submit the lab data upon receipt and a PDF copy of this report upon completion to the GeoTracker database.

#### **CONCLUSIONS AND RECOMMENDATIONS**

Consistent with historic data, constituents of concern in each monitoring well (except M-1 and M-6) at the site have been below the Regional Water Board's Water Quality Objectives. Constituents of concern reported in monitoring wells M-1 and M-6 have been decreasing since the installation of the biosparge system (October 2000) and the expansion of the remediation system (October 2003). M-1 is currently below RDLs for all constituents analyzed. Biosparging in the area of M-1 and M-6 has contributed to the decrease in constituents of concern by enhancing bacterial metabolism of the petroleum hydrocarbons.

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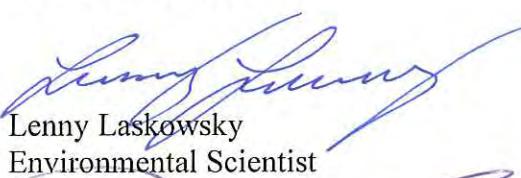
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The biosparge system will continue to operate for one additional quarter (third quarter) to determine whether the constituents of concern remain low. Winzler & Kelly will then evaluate the system for shutdown after the semi-annual event in September 2006. Currently, the biosparge system consists exclusively of injecting oxygen. In the event nutrient injections recommence, analysis of total phosphate and nitrate would be reinstated.

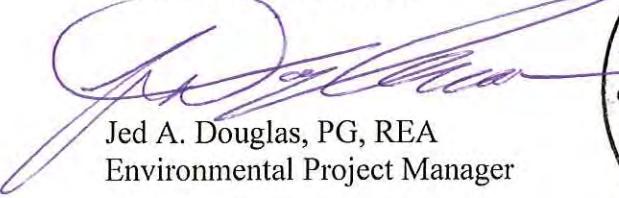
Based on approval received in a July 12, 2006 letter from the North Coast Regional Water Quality Control Board, Winzler & Kelly will reduce the monitoring schedule by eliminating wells M-2, M-3, M-4, and M-7 from the sampling schedule (monitoring wells M-5 and M-8 have been previously eliminated). All wells will continue to be monitored for groundwater gradient purposes and dissolved oxygen except M-8. Monitoring and sampling of wells M-1 and M-6 will continue on a quarterly basis, with samples analyzed for TPH-G and BTEX. Analysis of fuel oxygenates, 1,2 DCA, total phosphate, and nitrate will be discontinued in all wells. Additionally, wells M-1 and M-6 will not be analyzed for lead scavengers, since these constituents have not been detected since 2003. Once verification sampling begins, each well at the site will be monitored and sampled for one complete hydrological cycle. A sampling schedule is provided in Table 6.

Should you have any questions or comments regarding this project, please contact Jed Douglas, Project Manager, at (707) 523-1010.

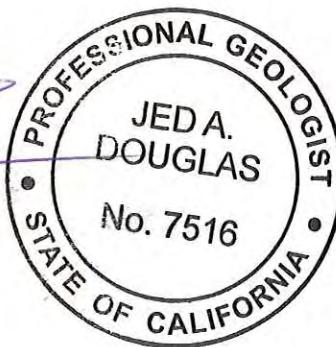
Sincerely,  
WINZLER & KELLY



Lenny Laskowsky  
Environmental Scientist



Jed A. Douglas, PG, REA  
Environmental Project Manager



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Attachments

Figures:

Figure 1 – Location Map

Figure 2 – Site Plan

Figure 3 – Groundwater Contour Map

Figure 4 – Petroleum Hydrocarbon Concentrations in Groundwater

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Tables:

- Table 1 – Water Level Data and Well Construction Detail
- Table 2 – Groundwater Gradient and Flow Direction
- Table 3 – DO, Nutrients, and Indicator Parameters
- Table 4 – Analytical Results of Groundwater Monitoring Well Samples
- Table 5 – Operation and Maintenance Data
- Table 6 – Groundwater Monitoring and Sampling Schedule

Appendices:

- Appendix A – Site-Specific Sampling Procedures
- Appendix B – Well Sampling Data Sheets
- Appendix C – Analytical Laboratory Report
- Appendix D – GeoTracker Upload Verifications

- c: Ms. Colleen Hunt, North Coast Regional Water Quality Control Board, 5550 Skylane Boulevard, Suite A, Santa Rosa, CA 95403
- Mr. Carl Merner, Merner Land Company, P.O. Box 3468, Santa Rosa, CA 95402
- Mr. William Manly, 2750 Corby Avenue, Santa Rosa, CA 95407

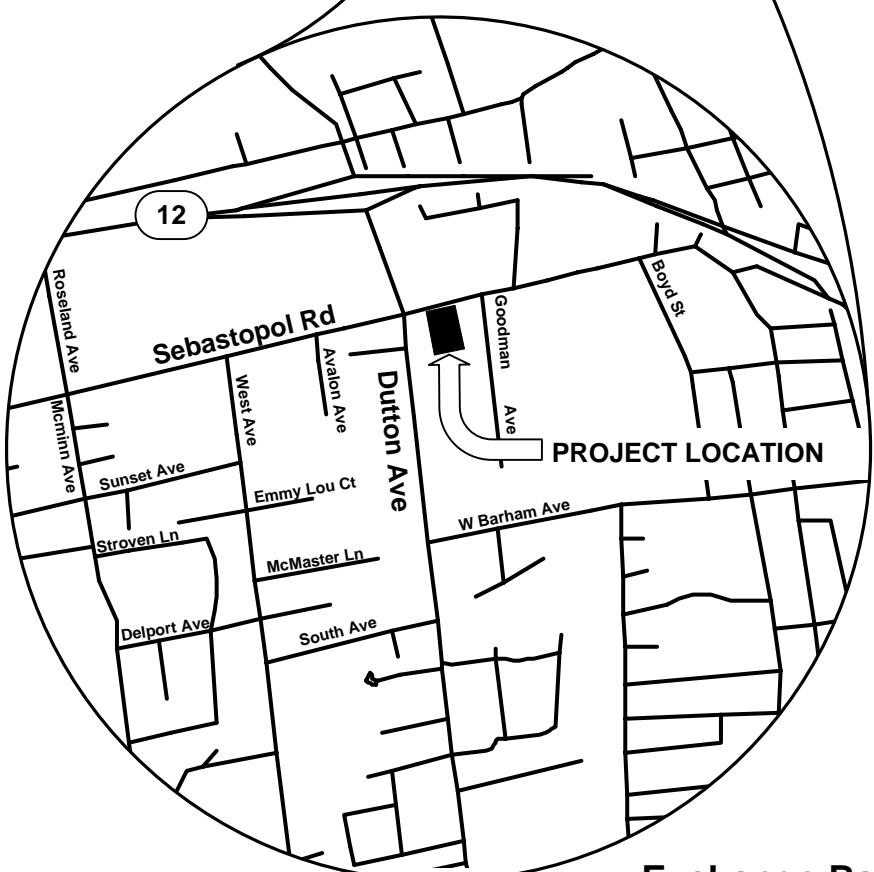
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## **Figures**



### SONOMA COUNTY



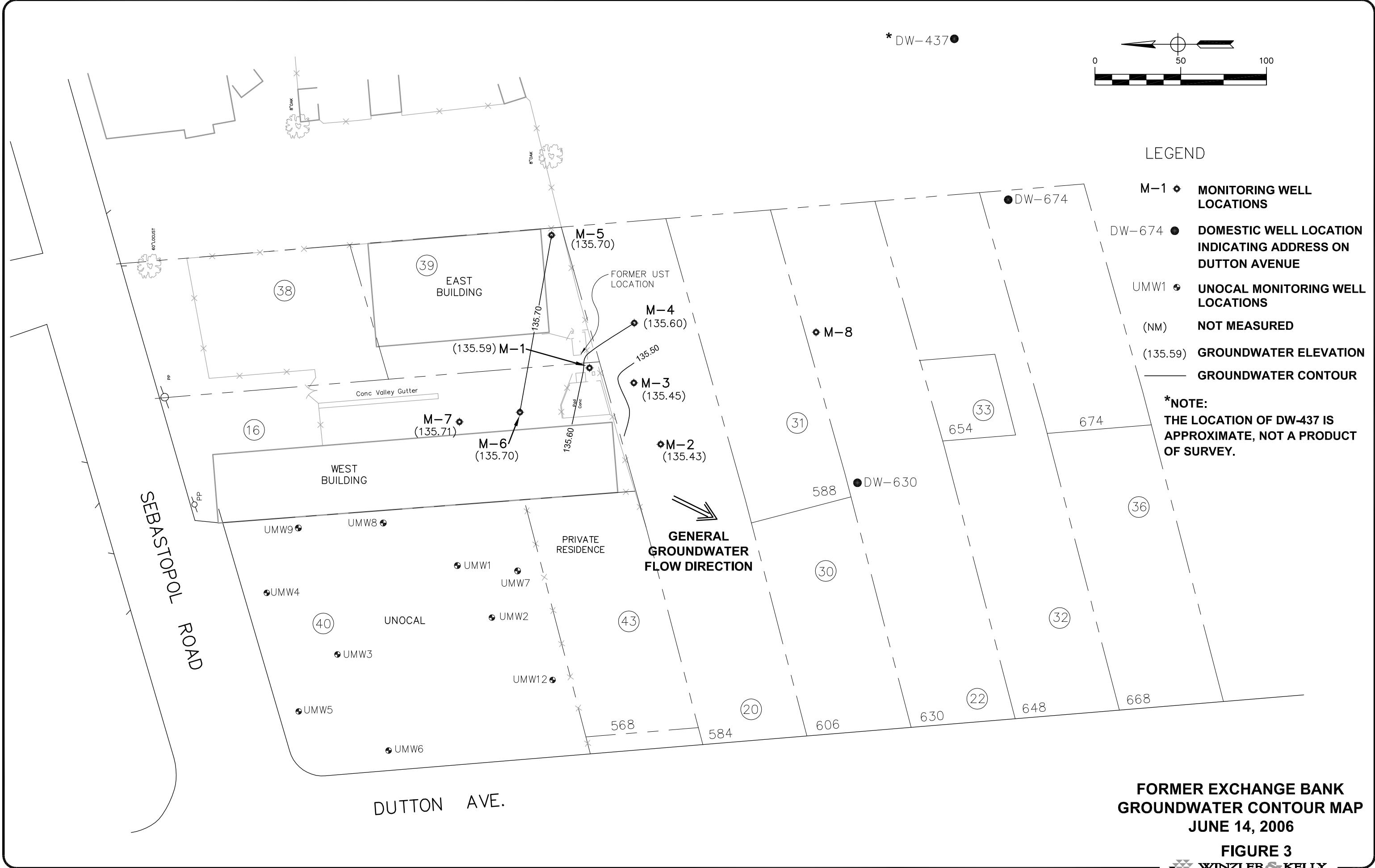
### LOCATION MAP

Exchange Bank Data Center  
330 Sebastopol Road  
Santa Rosa, CA

FIGURE 1

WINZLER & KELLY  
CONSULTING ENGINEERS







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## **Tables**

**Table 1. Water Level Data and Well Construction Detail**

Former Exchange Bank Site  
330 Sebastopol Road, Santa Rosa, CA

Well ID	Date	Groundwater Elevation	Depth-to-Water	Top of Casing Elevation (Mean Sea Level)	Free Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/Grout Interval
					feet	feet	feet	feet
M-1	12/29/1992	137.23	7.73	144.96	NM	4" Well 10 - 25 0.020"	9 - 25 #3 sand	0 - 9
	1/27/1993	139.26	5.70					
	12/11/1993	134.67	10.29					
	5/13/1994	135.31	9.65					
	9/17/1994	131.04	13.92					
	10/26/1994	130.29	14.67					
	12/17/1994	136.09	8.87					
	3/18/1995	140.07	4.89					
	6/24/1995	135.37	9.59					
	9/23/1995	132.38	12.58					
	12/16/1995	135.74	9.22					
	3/23/1996	137.68	7.28					
	6/20/1996	135.45	9.51					
	3/12/1997	136.49	8.47					
	6/26/1997	133.65	11.31					
	12/18/1997	137.10	7.86					
	1/29/1998	139.71	5.25					
	2/27/1998	141.27	3.69					
	3/18/1998	139.41	5.55					
	4/9/1998	138.54	6.42					
	5/29/1998	139.15	5.81					
	6/18/1998	136.38	8.58					
	7/22/1998	135.01	9.95					
	8/26/1998	133.83	11.13					
	9/16/1998	133.16	11.80					
	10/20/1998	132.48	12.48					
	11/19/1998	133.39	11.57					
	12/30/1998	135.19	9.77					
	3/18/1999	138.83	6.13					
	6/16/1999	134.97	9.99					
	9/23/1999	131.96	13.00					
	12/29/1999	132.96	12.00					
	8/31/2000	132.49	12.47					
	10/17/2000	System start-up on 10-17-00						
	10/25/2002	131.38	13.58					
	11/13/2000	System down due to compressor failure						
	12/6/2000	System restart						
	12/20/2000	133.39	11.57					
	3/15/2001	137.93	7.03					
	6/14/2001	133.71	11.25					
	9/18/2001	130.94	14.02					
	11/13/2001	133.23	11.73					
	12/11/2001	138.04	6.92					
	1/15/2002	140.14	4.82					
	2/12/2002	137.65	7.31					
	3/12/2002	138.32	6.64					
	4/16/2002	136.17	8.79					
	5/14/2002	135.26	9.7					
	6/11/2002	134.47	10.49					
	6/19/2002	System down from 6/19/02 to 8/9/02 due to compressor piston failure.						
	7/16/2002	132.89	12.07					
	8/9/2002	NA	NA					
	8/13/2002	132.21	12.75					
	12/12/2002	133.65	11.31					
	3/12/2003	137.01	7.95					
	6/11/2003	135.66	9.30					
	9/10/2003	132.51	12.45					
	10/9/2003	System Expansion Startup						
	1/20/2004 *	138.46	6.50					
	3/31/2004	137.25	7.71					
	7/16/2004	133.01	11.95					
	9/15/2004	131.51	13.45					
	12/14/2004	135.16	9.80					
	3/24/2005	139.12	5.84					
	6/16/2005	136.22	8.74					
	9/29/2005	132.93	12.03					
	12/29/2005	140.06	4.90					
	3/21/2006	139.16	5.80					
	6/14/2006	135.59	9.37					

**Table 1. Water Level Data and Well Construction Detail**

Former Exchange Bank Site  
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Well ID	Date	Groundwater Elevation	Depth-to-Water	Top of Casing Elevation (Mean Sea Level)	Free Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/Grout Interval					
					feet	feet	feet	feet					
M-2	5/13/1994	135.23	8.10	143.33	NM	2" Well 5 - 20 0.020"	#2/12 4 - 20	0 - 4					
	9/17/1994	132.16	11.17										
	9/17/1994	132.16	11.17										
	12/17/1994	135.93	7.40										
	6/24/1995	135.27	8.06										
	9/23/1995	132.44	10.89										
	12/16/1995	135.37	7.96										
	3/23/1996	137.40	5.93										
	6/20/1996	135.36	7.97										
	3/12/1997	136.29	7.04										
	6/26/1997	133.60	9.73										
	12/17/1997	136.88	6.45										
	1/29/1998	139.11	4.22										
	2/27/1998	140.79	2.54										
	3/17/1998	138.93	4.40										
	4/9/1998	138.12	5.21										
	5/29/1998	137.04	6.29										
	6/19/1998	136.22	7.11										
	7/22/1998	134.97	8.36										
	8/26/1998	133.75	9.58										
	9/16/1998	133.13	10.20										
	10/20/1998	132.47	10.86										
	11/19/1998	133.26	10.07										
	12/30/1998	135.13	8.20										
	3/18/1999	138.39	4.94										
	6/16/1999	134.89	8.44										
	9/23/1999	131.96	11.37										
	12/23/1999	132.95	10.38										
	8/31/2000	132.47	10.86										
	10/17/2000	System start-up											
	10/25/2000	131.49	11.84										
	11/13/2000	System down due to compressor failure											
	12/6/2000	System restart											
	12/20/2000	133.21	10.12										
	3/15/2001	137.49	5.84										
	6/14/2001	133.71	9.62										
	9/18/2001	131.08	12.25										
	11/13/2001	132.21	11.12										
	12/11/2001	137.73	5.60										
	1/15/2002	139.56	3.77										
	2/12/2002	137.16	6.17										
	3/12/2002	137.70	5.63										
	4/16/2002	136.02	7.31										
	5/14/2002	135.17	8.16										
	6/11/2002	134.44	8.89										
	6/19/2002	System down from 6/19/02 to 8/9/02 due to compressor piston failure.											
	7/16/2002	133.03	10.30										
	8/13/2002	132.53	10.80										
	12/12/2002	132.35	10.98										
	3/12/2003	136.68	6.65										
	6/11/2003	135.58	7.75										
	9/10/2003	132.68	10.65										
	10/9/2003	System Expansion Startup											
	1/20/2004 *	138.05	5.28										
	3/31/2004	136.84	6.49										
	7/16/2004	133.04	10.29										
	9/15/2004	131.63	11.70										
	12/14/2004	134.87	8.46										
	3/24/2005	138.45	4.88										
	6/16/2005	136.04	7.29										
	9/29/2005	Well not accessible - Car parked on top.											
	12/29/2005	139.62	3.71										
	3/21/2006	138.60	4.73										
	6/14/2006	135.43	7.9										

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					feet	feet	feet	feet					
M-3	2/27/1997	---	---	143.46	NM	2" Well 5 - 20 0.020"	#2/12 4 - 20	0 - 4					
	3/13/1997	136.33	7.13										
	6/27/1997	133.60	9.86										
	12/18/1997	136.92	6.54										
	1/29/1998	139.58	3.88										
	2/27/1998	140.93	2.53										
	3/17/1998	139.03	4.43										
	4/9/1998	138.20	5.26										
	5/29/1998	137.34	6.12										
	6/18/1998	136.25	7.21										
	7/22/1998	134.96	8.50										
	8/26/1998	133.76	9.70										
	9/16/1998	133.12	10.34										
	10/20/1998	132.48	10.98										
	11/19/1998	133.27	10.19										
	12/30/1998	135.15	8.31										
	3/18/1999	138.48	4.98										
	6/16/1999	134.90	8.56										
	9/23/1999	131.96	11.50										
	12/23/1999	132.97	10.49										
	8/31/2000	132.48	10.98										
	10/17/2000	System start-up											
	10/25/2000	131.47	11.99										
	11/13/2000	System down due to compressor failure											
	12/6/2000	System restart											
	12/20/2000	133.23	10.23										
	3/15/2001	137.54	5.92										
	6/14/2001	133.61	9.85										
	9/18/2001	131.04	12.42										
	11/13/2001	132.32	11.14										
	12/11/2001	137.75	5.71										
	1/15/2002	139.66	3.80										
	2/12/2002	137.21	6.25										
	3/12/2002	137.78	5.68										
	4/16/2002	136.03	7.43										
	5/14/2002	135.17	8.29										
	6/11/2002	134.43	9.03										
	6/19/2002	System down from 6/19/02 to 8/9/02 due to compressor piston failure.											
	7/16/2002	133.02	10.44										
	8/13/2002	132.50	10.96										
	12/12/2002	132.41	11.05										
	3/12/2003	136.73	6.73										
	6/11/2003	135.58	7.88										
	9/10/2003	132.67	10.79										
	10/9/2003	System Expansion Startup											
	1/20/2004 *	138.14	5.32										
	3/31/2004	136.89	6.57										
	7/16/2004	133.05	10.41										
	9/15/2004	131.60	11.86										
	12/14/2004	134.87	8.59										
	3/24/2005	138.56	4.90										
	6/16/2005	136.05	7.41										
	9/29/2005	133.00	10.46										
	12/29/2005	139.74	3.72										
	3/21/2006	138.68	4.78										
	6/14/2006	135.45	8.01										

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					feet	feet	feet	feet					
M-4	3/12/1997	136.43	7.49	143.92	NM	2" Well 5 - 15 0.020"	#2/12 4 - 15	0 - 4					
	6/27/1997	133.67	10.25										
	12/20/1997	137.01	6.91										
	1/29/1998	139.56	4.36										
	2/27/1998	141.11	2.81										
	3/18/1998	139.20	4.72										
	4/9/1998	138.36	5.56										
	5/29/1998	137.73	6.19										
	6/19/1998	136.35	7.57										
	7/22/1998	135.02	8.90										
	8/26/1998	133.84	10.08										
	9/16/1998	133.21	10.71										
	10/21/1998	132.58	11.34										
	11/19/1998	133.39	10.53										
	12/30/1998	135.22	8.70										
	3/18/1999	138.67	5.25										
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	9/23/1999	132.07	11.85										
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	10/17/2000	System start-up on 10-17-00											
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	11/13/2000	System down due to compressor failure											
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	6/14/2001	133.77	10.15										
	9/18/2001	131.22	12.70										
	11/13/2001	132.78	11.14										
	12/11/2001	137.91	6.01										
	1/15/2002	139.90	4.02										
	2/12/2002	137.52	6.40										
	3/12/2002	138.12	5.80										
	4/16/2002	136.21	7.71										
	5/14/2002	135.29	8.63										
	6/11/2002	134.51	9.41										
	6/19/2002	System down from 6/19/02 to 8/9/02 due to compressor piston failure.											
	7/16/2002	133.13	10.79										
	8/13/2002	132.60	11.32										
	12/12/2002	132.91	11.01										
	3/12/2003	136.96	6.96										
	6/11/2003	135.69	8.23										
	9/10/2003	132.74	11.18										
	10/9/2003	System Expansion Startup											
	1/20/2004 *	138.37	5.55										
	3/31/2004	137.14	6.78										
	7/16/2004	133.16	10.76										
	9/15/2004	131.76	12.16										
	12/14/2004	135.09	8.83										
	3/24/2005	138.85	5.07										
	6/16/2005	136.23	7.69										
	9/29/2005	133.12	10.80										
	12/29/2005	139.79	4.13										
	3/21/2006	139.02	4.90										
	6/14/2006	135.60	8.32										

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Former Exchange Bank Site

330 Sebastopol Road, Santa Rosa, CA

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					feet								
M-5	3/12/1997	136.60	8.26	144.86	NM	2" Well 5 - 20 0.020"	#2/12 4 - 20	0 - 4					
	6/26/1997	133.75	11.11										
	12/17/1997	137.07	7.79										
	1/29/1998	139.90	4.96										
	2/27/1998	141.48	3.38										
	3/17/1998	139.44	5.42										
	4/9/1998	138.57	6.29										
	5/29/1998	137.27	7.59										
	6/18/1998	136.52	8.34										
	7/22/1998	135.14	9.72										
	8/26/1998	133.93	10.93										
	9/16/1998	133.31	11.55										
	10/20/1998	132.65	12.21										
	11/19/1998	133.42	11.44										
	12/30/1998	135.29	9.57										
	3/18/1999	138.89	5.97										
	6/16/1999	135.05	9.81										
	9/23/1999	132.18	12.68										
	12/23/1999	133.12	11.74										
	8/31/2000	132.66	12.20										
	10/17/2000	System start-up											
	10/25/2000	131.77	13.09										
	11/13/2000	System down due to compressor failure											
	12/6/2000	System restart											
	12/20/2000	133.40	11.46										
	3/15/2001	137.87	6.99										
	6/14/2001	133.84	11.02										
	9/18/2001	131.48	13.38										
	11/13/2001	132.84	12.02										
	12/11/2001	138.01	6.85										
	1/15/2002	140.10	4.76										
	2/12/2002	137.54	7.32										
	3/12/2002	138.03	6.83										
	4/16/2002	136.31	8.55										
	5/14/2002	135.36	9.50										
	6/11/2002	134.61	10.25										
	6/19/2002	System down from 6/19/02 to 8/9/02 due to compressor piston failure.											
	7/16/2002	133.23	11.63										
	8/13/2002	132.65	12.21										
	12/12/2002	132.73	12.13										
	3/12/2003	137.02	7.84										
	6/11/2003	135.83	9.03										
	9/10/2003	132.84	12.02										
	10/9/2003	System Expansion Startup											
	1/20/2004 *	138.46	6.40										
	3/31/2004	NM	NM										
	7/16/2004	133.25	11.61										
	7/16/2004	NM	NM										
	9/29/2005	133.18	11.68										
	12/29/2005	140.08	4.78										
	3/21/2006	139.13	5.73										
	6/14/2006	135.70	9.16										

**Table 1. Water Level Data and Well Construction Detail**

Former Exchange Bank Site  
330 Sebastopol Road, Santa Rosa, CA

Well ID	Date	Groundwater Elevation	Depth-to-Water	Top of Casing Elevation (Mean Sea Level)	Free Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/Grout Interval					
					feet	feet	feet	feet					
M-6	3/12/1997	136.79	7.89	144.68	NM	2" Well 5 - 20 0.020"	#2/12 4 - 20	0 - 4					
	6/26/1997	133.61	11.07										
	12/18/1997	136.97	7.71										
	1/29/1998	139.58	5.10										
	2/27/1998	141.27	3.41										
	3/18/1998	139.46	5.22										
	4/9/1998	138.57	6.11										
	5/29/1998	137.47	7.21										
	6/18/1998	136.47	8.21										
	7/22/1998	135.03	9.65										
	8/26/1998	133.79	10.89										
	9/16/1998	133.09	11.59										
	10/20/1998	131.41	13.27										
	11/19/1998	133.25	11.43										
	12/30/1998	135.13	9.55										
	3/18/1999	138.88	5.80										
	6/16/1999	134.96	9.72										
	9/23/1999	131.86	12.82										
	12/29/1999	132.80	11.88										
	8/31/2000	132.41	12.27										
	10/17/2000	System start-up											
	10/25/2000	131.36	13.32										
	11/13/2000	System down due to compressor failure											
	12/6/2000	System restart											
	12/20/2000	133.15	11.53										
	3/15/2001	137.75	6.93										
	6/14/2001	133.60	11.08										
	9/18/2001	130.99	13.69										
	11/13/2001	132.34	12.34										
	12/11/2001	137.59	7.09										
	1/15/2002	140.08	4.60										
	2/12/2002	137.64	7.04										
	3/12/2002	137.93	6.75										
	4/16/2002	136.29	8.39										
	5/14/2002	135.26	9.42										
	6/11/2002	134.37	10.31										
	6/19/2002	System down from 6/19/02 to 8/9/02 due to compressor piston failure.											
	7/16/2002	132.91	11.77										
	8/13/2002	132.15	12.53										
	12/12/2002	132.32	12.36										
	3/12/2003	137.10	7.58										
	6/11/2003	135.75	8.93										
	9/10/2003	132.45	12.23										
	10/9/2003	System Expansion Startup											
	1/20/2004 *	138.35	6.33										
	3/31/2004	137.35	7.33										
	7/16/2004	132.99	11.69										
	9/15/2004	131.45	13.23										
	12/14/2004	134.82	9.86										
	3/24/2005	138.82	5.86										
	6/16/2005	136.43	8.25										
	9/29/2005	132.88	11.80										
	12/29/2005	139.52	5.16										
	3/21/2006	139.18	5.50										
	6/14/2006	135.70	8.98										

**Table 1. Water Level Data and Well Construction Detail**

Former Exchange Bank Site  
330 Sebastopol Road, Santa Rosa, CA

Well ID	Date	Groundwater Elevation	Depth-to-Water	Top of Casing Elevation (Mean Sea Level)	Free Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/Grout Interval					
					feet	feet	feet	feet					
M-7	3/12/1997	136.73	8.07	144.80	NM	2" Well 5 - 20 0.020"	#2/12 4 - 20	0 - 4					
	6/26/1997	133.55	11.25										
	12/17/1997	136.97	7.83										
	1/29/1998	139.42	5.38										
	2/27/1998	141.21	3.59										
	3/17/1998	139.42	5.38										
	4/9/1998	138.56	6.24										
	5/29/1998	137.42	7.38										
	6/18/1998	136.22	8.58										
	7/22/1998	135.00	9.80										
	8/26/1998	133.76	11.04										
	9/16/1998	133.07	11.73										
	10/20/1998	132.33	12.47										
	11/19/1998	133.20	11.60										
	12/30/1998	135.11	9.69										
	3/18/1999	138.86	5.94										
	6/16/1999	134.95	9.85										
	9/23/1999	131.79	13.01										
	12/23/1999	132.73	12.07										
	8/31/2000	132.34	12.46										
	10/17/2000	System start-up											
	10/25/2000	131.31	13.49										
	11/13/2000	System down due to compressor failure											
	12/6/2000	System restart											
	12/20/2000	133.13	11.67										
	3/15/2001	137.72	7.08										
	6/14/2001	133.58	11.22										
	9/18/2001	130.98	13.82										
	11/13/2001	132.50	12.30										
	12/11/2001	137.56	7.24										
	1/15/2002	139.89	4.91										
	2/12/2002	137.65	7.15										
	3/12/2002	137.93	6.87										
	4/16/2002	136.30	8.50										
	5/14/2002	135.23	9.57										
	6/11/2002	134.33	10.47										
	6/19/2002	System down from 6/19/02 to 8/9/02 due to compressor piston failure.											
	7/16/2002	132.86	11.94										
	8/13/2002	132.09	12.71										
	12/12/2002	132.27	12.53										
	3/12/2003	137.09	7.71										
	6/11/2003	135.73	9.07										
	9/10/2003	132.41	12.39										
	10/9/2003	System Expansion Startup											
	1/20/2004 *	138.26	6.54										
	3/31/2004	137.32	7.48										
	7/16/2004	132.95	11.85										
	9/15/2004	131.40	13.40										
	12/14/2004	134.85	9.95										
	3/24/2005	138.74	6.06										
	6/16/2005	136.43	8.37										
	9/29/2005	132.87	11.93										
	12/29/2005	139.05	5.75										
	3/21/2006	139.18	5.62										
	6/14/2006	135.71	9.09										

**Table 1. Water Level Data and Well Construction Detail**

Former Exchange Bank Site  
330 Sebastopol Road, Santa Rosa, CA

Well ID	Date	Groundwater Elevation	Depth-to-Water	Top of Casing Elevation (Mean Sea Level)	Free Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/Grout Interval
					feet	feet	feet	feet
M-8	7/22/1998	135.08	7.73	142.81	NM	2" Well 3.75 - 18 0.020"	#2/12 3 - 18	0 - 3
	8/27/1998	133.88	8.93					
	9/16/1998	133.29	9.52					
	10/20/1998	132.62	10.19					
	11/19/1998	133.40	9.41					
	12/30/1998	135.30	7.51					
	3/18/1999	138.58	4.23					
	6/16/1999	135.02	7.79					
	9/23/1999	132.11	10.70					
	12/29/1999	133.11	9.70					
	8/31/2000	132.61	10.20					
	10/17/2000	System start-up						
	10/25/2000	131.65	11.16					
	12/20/2000	133.36	9.45					
	3/15/2001	137.60	5.21					
	4/23/2001**	1.74" (0.145 ft) cutoff the top-of-casing, so lid could be properly secured.		142.67				
		Well has not been resurveyed.						
	6/14/2001	133.78	8.89					
	9/18/2001	131.18	11.49					
	11/13/2001	132.19	10.48					
	12/11/2001	137.78	4.89					
	1/15/2002	139.58	3.09					
	2/12/2002	137.22	5.45					
	3/12/2002	137.82	4.85					
	4/16/2002	136.07	6.60					
	5/14/2002	135.28	7.39					
	6/11/2002	134.54	8.13					
	6/19/2002	System down from 6/19/02 to 8/9/02 due to compressor piston failure.						
	7/16/2002	133.14	9.53					
	8/13/2002	132.65	10.02					
	12/12/2002	132.44	10.23					
	3/12/2003	136.75	5.92					
	6/11/2003	135.65	7.02					
	9/10/2003	132.84	9.83					
	10/9/2003	System Expansion Startup						
	1/20/2004	NM	NM					
	3/31/2004	NM	NM					
	7/16/2004	NM	NM					
	9/15/2004	NM	NM					

**Notes:**

\* = The depth-to-groundwater measurements collected on 1/20/04 were obtained while the biosparge system was operating.

\*\* = This table reflects the corrected groundwater elevations measured in MW-8 from 6/14/2001 to the present. The elevations are based on the adjusted TOC elevation that was a result of casing cutting on 4/23/2001.

NM = Not measured

**Table 2. Groundwater Gradient and Flow Direction**

Former Exchange Bank Site  
330 Sebastopol Road, Santa Rosa, CA

Date	Groundwater Gradient in ft/ft	Flow Direction from the Tank Area
6/25/1997	0.001	Northwest to Southwest
12/17/1998	0.003	Northwest to Southwest
1/29/1998	0.010	Northwest to Southwest
2/27/1998	0.011	Southwest
3/17/1998	0.014	Southwest to South-Southeast
4/4/1998	0.007	Southwest to South-Southeast
5/29/1998	0.011	Southwest and Northeast
6/18/1998	0.003	Southwest
7/22/1998	0.002	Southwest
8/26/1998	0.002	West to Southwest
9/16/1998	0.002	Northwest
10/20/1998	0.023	Northwest
11/20/1998	0.002	Northwest to Southwest
12/30/1998	0.002	Northwest to West
3/18/1999	0.006	Southwest to West
6/16/1999	0.002	Southwest to Northwest
9/23/1999	0.002	Northwest
12/23/1999	0.002	North 62° West
8/30/2000	0.002	North 71° West
10/25/2000	0.001	North 58° West
12/20/2000	0.002	North 75° West
3/15/2001	0.003	South 59° West
6/14/2001	0.002	North 73° West
9/18/2001	0.004	North 88° West
11/13/2001	0.005	North 62° West
12/11/2001	0.003	North 84° West
1/15/2002	0.004	South 45° West
2/12/2002	0.004	South 24° West
3/12/2002	0.003	South 62° West
4/16/2002	0.002	South 44° East
5/14/2002	0.001	South 87° East
6/11/2002	0.002	North 75° West
7/16/2002	0.003	North 71° West
8/13/2002	0.004	North 53° West
12/12/2002	0.004	West-Northwest
3/12/2003	0.005	West-Southwest
6/11/2003	0.004	West
9/10/2003	0.005	Northwest
3/31/2004	0.007	North-Northeast
7/16/2004	0.002	Northwest
9/15/2004	0.006	Northwest
12/14/2004	0.008	Northwest
3/24/2005	0.010	Northwest
6/16/2005	0.005	South
9/29/2005	0.003	Northwest
12/29/2005	0.010	Northwest
3/21/2006	0.009	Southwest
6/14/2006	0.003	Southwest

**Table 3. DO, Nutrients, and Indicator Parameters**

Former Exchange Bank Site  
330 Sebastopol Road, Santa Rosa, CA

Well ID	Sample Date	Dissolved Oxygen	Phosphate	Nitrate as Nitrate mg/L	pH	Conductivity	Temperature
						uS/cm	°F
M-1	4/23/2002	11.43	<5	<5	NA	NA	NA
	5/14/2002	NA	NA	NA	7.77	565	63.8
	8/12/2002	10.90	NA	NA	NA	NA	NA
	8/13/2002	NA	NA	NA	7.16	412	72.5
	12/11/2002	10.01	NA	NA	NA	NA	NA
	12/12/2002	NA	NA	NA	7.33	416	63.2
	3/11/2003	10.93	NA	NA	NA	NA	61.0
	3/12/2003	NA	NA	NA	7.5	376	61.7
	6/11/2003	11.20	NA	NA	7.69	385	61.2
	9/10/2003	NA	NA	NA	7.78	388	64.2
	1/20/2004	2.94	NA	NA	NA	NA	NA
	3/30/2004	12.83	NA	NA	NA	NA	NA
	3/31/2004	NA	NA	NA	7.10	399	59.9
	7/1/2004	11.07	NA	NA	NA	NA	NA
	7/16/2004	NA	NA	NA	7.37	436	63.9
	9/14-15/2004	8.57	NA	NA	7.92	408	64.9
	12/13-14/2004	9.88	NA	NA	7.35	561	63.9
	3/22-24/2005	10.46	NA	NA	7.16	364	58.5
	6/15-16/2005	11.47	NA	NA	7.29	324	62.3
	9/28-29/2005	10.71	NA	NA	8.00	405	63.0
	12/28-29/2005	6.48	NA	NA	7.04	321	59.9
	3/20-21/2006	12.12	<1.0	2.2	7.27	269	58.1
	6/13-14/2006	15.61	<0.10	1.6	7.54	266	60.8
M-2	4/23/2002	1.13	<2.5	<5	NA	NA	NA
	5/14/2002	NA	NA	NA	7.65	361	64.0
	8/12/2002	0.79	NA	NA	NA	NA	NA
	8/13/2002	NA	NA	NA	6.69	390	62.7
	12/11/2002	1.57	NA	NA	NA	NA	NA
	3/11/2003	2.08	NA	NA	NA	NA	59.7
	3/12/2003	NA	NA	NA	8.23	309	60.5
	6/11/2003	0.91	NA	NA	NA	NA	NA
	1/20/2004	2.16	NA	NA	NA	NA	NA
	3/30/2004	Well not accessible - car parked on top.					
	3/31/2004	NA	<1.0	9.3	6.55 / 6.83 *	367	60.3
	7/1/2004	0.78	NA	NA	NA	NA	NA
	7/16/2004	NA	<0.5	5.9	6.7/7.04 *	396	63.7
	9/14-15/2004	1.23	<2.0	11	6.73/6.83 *	509	65.3
	12/13-14/2004	0.93	<0.50	8.0	6.41/6.64 *	456	64.4
	3/22-24/2005	1.99	<0.50	10	6.70	378	60.3
	6/15-16/2005	2.46	NA	NA	NA	NA	NA
	9/28-29/2005	0.62	NA	NA	NA	NA	NA
	12/28-29/2005	4.74	NA	NA	NA	NA	NA
	3/20-21/2006	4.46	NA	NA	6.82	370	59.0
	6/13-14/2006	4.14	NA	NA	6.92	315	60.8
M-3	4/23/2002	10.55	5	<5	NA	NA	NA
	5/14/2002	NA	NA	NA	7.72	300	66.4
	8/12/2002	5.71	NA	NA	NA	NA	NA
	8/13/2002	NA	NA	NA	6.62	302	62.6
	12/11/2002	8.50	NA	NA	NA	NA	NA
	12/12/2002	NA	NA	NA	7.29	276	64.3
	3/11/2003	10.00	NA	NA	NA	NA	60.6
	3/12/2003	NA	NA	NA	8.90	293	61.7
	6/11/2003	9.60	NA	NA	7.22	310	62.1
	9/10/2003	NA	NA	NA	7.21	315	65.2
	1/20/2004	6.70	NA	NA	NA	NA	NA
	3/30/2004	9.98	NA	NA	NA	NA	NA
	3/31/2004	NA	<1.0	2.5	6.94 / 7.05 *	342	61.3
	7/1/2004	6.32	NA	NA	NA	NA	NA
	7/16/2004	NA	<0.5	0.92	7.18/7.02 *	349	63.9
	9/14-15/2004	1.40	<2.0	0.80	6.95/7.10 *	345	66.2
	12/13-14/2004	6.82	<0.50	1.1	6.82/5.77 *	318	64.7
	3/22-24/2005	8.33	<0.50	2.8	7.07	375	60.8
	6/15-16/2005	7.35	NA	NA	6.98	334	61.9
	9/28-29/2005	6.28	NA	NA	7.01	332	64.0
	12/28-29/2005	8.26	NA	NA	7.03	319	62.4
	3/20-21/2006	9.38	NA	NA	7.16	334	59.9
	6/13-14/2006	11.91	NA	NA	7.02	351	61.9

**Table 3. DO, Nutrients, and Indicator Parameters**

Former Exchange Bank Site  
330 Sebastopol Road, Santa Rosa, CA

Well ID	Sample Date	Dissolved Oxygen	Phosphate	Nitrate as Nitrate mg/L	pH	Conductivity	Temperature
						uS/cm	°F
M-4	4/23/2002	5.93	5	<5	NA	NA	NA
	5/14/2002	NA	NA	NA	7.18	391	68.4
	8/12/2002	5.8	NA	NA	NA	NA	NA
	8/13/2002	NA	NA	NA	7.00	355	65.2
	12/11/2002	2.58	NA	NA	NA	NA	NA
	12/12/2002	NA	NA	NA	6.76	397	64.0
	3/11/2003	4.83	NA	NA	NA	NA	61.3
	3/12/2003	NA	NA	NA	9.26	334	62.4
	6/11/2003	2.20	NA	NA	6.70	319	62.8
	9/10/2003	NA	NA	NA	7.02	451	67.2
	1/20/2004	5.55	NA	NA	NA	NA	NA
	3/30/2004	5.23	NA	NA	NA	NA	NA
	3/31/2004	NA	NA	NA	6.72	373	62.1
	7/1/2004	2.36	NA	NA	NA	NA	NA
	7/16/2004	NA	NA	NA	6.89	468	65.8
	9/14-15/2004	0.88	NA	NA	7.31	703	67.3
	12/13-14/2004	3.77	NA	NA	6.80	407	65.3
	3/22-24/2005	4.78	NA	NA	6.52	331	60.8
	6/15-16/2005	1.52	NA	NA	6.63	383	62.8
	9/28-29/2005	2.31	NA	NA	6.94	490	65.3
	12/28-29/2005	4.73	NA	NA	6.74	408	63.5
	3/20-21/2006	7.10	<1.0	2.3	6.77	303	59.7
	6/13-14/2006	7.01	<0.10	0.58	6.72	378	63.1
M-5	4/23/2002	1.22	<5	<5	NA	NA	NA
	5/14/2002	NA	NA	NA	7.25	356	68.2
	8/12/2002	1.75	NA	NA	NA	NA	NA
	8/13/2002	NA	NA	NA	7.98	458	65.3
	12/11/2002	2.80	NA	NA	NA	NA	NA
	3/11/2003	1.94	NA	NA	NA	NA	59.9
	3/12/2003	NA	NA	NA	9.53	505	61.7
	6/11/2003	1.16	NA	NA	NA	NA	NA
	9/10/2003	NA	NA	NA	6.73	616	62.8
	1/20/2004	4.59	NA	NA	NA	NA	NA
	9/28-29/2005	0.84	NA	NA	NA	NA	NA
	3/20-21/2006	5.61	NA	NA	NA	NA	NA
	6/13-14/2006	2.80	NA	NA	NA	NA	NA
M-6	4/23/2002	0.16	<5	<5	NA	NA	NA
	5/14/2002	NA	NA	NA	6.72	1184	69.3
	8/12/2002	0.45	NA	NA	NA	NA	NA
	8/13/2002	NA	NA	NA	7.04	937	70.4
	12/11/2002	0.33	NA	NA	NA	NA	NA
	12/12/2002	NA	NA	NA	6.68	770	65.9
	3/11/2003	0.52	NA	NA	NA	NA	62.8
	3/12/2003	NA	NA	NA	7.5	799	64.8
	6/11/2003	0.45	NA	NA	6.63	978	64.6
	9/10/2003	NA	NA	NA	6.7	1053	67.5
	10/30/2003	0.47	NA	NA	NA	NA	NA
	11/14/2003	0.58	NA	NA	NA	NA	NA
	12/4/2003	0.64	NA	NA	NA	NA	67.4
	12/31/2003	7.40	NA	NA	NA	NA	NA
	1/15/2004	8.53	NA	NA	NA	NA	NA
	1/20/2004	7.44	NA	NA	NA	NA	NA
	3/22/2004	9.86	NA	NA	NA	NA	62.9
	3/30/2004	8.21	NA	NA	NA	NA	NA
	3/31/2004	NA	<1.0	26	6.91 / 7.44 *	768	64.2
	7/1/2004	8.46	NA	NA	NA	NA	NA
	7/16/2004	NA	<0.5	7	6.94/7.07 *	778	66.7
	9/14-15/2004	0.70	<2.0	1.2	7.04/7.06 *	804	68.2
	12/13-14/2004	5.59	<0.50	<0.50	6.82/6.76 *	679	68.2
	3/22-24/2005	8.31	<0.50	67	7.06	638	64.4
	6/15-16/2005	4.84	<1.0	34	6.83	555	65.3
	9/28-29/2005	4.53	<0.20	9.7	7.21	744	67.8
	12/28-29/2005	2.94	<0.20	110	6.84	654	65.7
	3/20-21/2006	8.86	<1.0	170	7.07	677	61.9
	6/13-14/2006	5.60	<0.50	59	6.95	741	65.3

**Table 3. DO, Nutrients, and Indicator Parameters**

Former Exchange Bank Site  
330 Sebastopol Road, Santa Rosa, CA

Well ID	Sample Date	Dissolved Oxygen	Phosphate	Nitrate as Nitrate	pH	Conductivity	Temperature
		mg/L				uS/cm	°F
M-7	4/23/2002	0.39	<5	15	NA	NA	NA
	5/14/2002	NA	NA	NA	6.69	1200	67.6
	8/12/2002	0.37	NA	NA	NA	NA	NA
	8/13/2002	NA	NA	NA	6.99	714	69.9
	12/11/2002	0.46	NA	NA	NA	NA	NA
	3/11/2003	0.49	NA	NA	NA	NA	65.1
	3/12/2003	NA	NA	NA	9.17	962	65.8
	6/11/2003	0.63	NA	NA	NA	NA	NA
	10/30/2003	0.53	NA	NA	NA	NA	NA
	11/14/2003	0.55	NA	NA	NA	NA	NA
	12/4/2004	0.52	NA	NA	NA	NA	69.1
	12/31/2003	0.64	NA	NA	NA	NA	NA
	1/15/2004	3.91	NA	NA	NA	NA	NA
	1/20/2004	4.25	NA	NA	NA	NA	NA
	3/22/2004	4.07	NA	NA	NA	NA	62.9
	3/30/2004	3.60	NA	NA	NA	NA	NA
	3/31/2004	NA	<1.0	150	6.66 / 6.99 *	1209	65.5
	7/1/2004	2.84	NA	NA	NA	NA	NA
	7/16/2004	NA	<0.5	94	6.61/6.81 *	1050	68.0
	9/14-15/2004	0.60	<2.0	49	6.63/6.80 *	826	69.1
	12/13-14/2004	0.35	<0.50	47	6.65/6.58 *	760	68.7
	3/22-24/2005	0.89	<0.50	65	6.68	822	65.8
	6/15-16/2005	4.71	NA	NA	NA	NA	NA
	9/28-29/2005	0.72	NA	NA	6.72	811	68.7
	12/28-29/2005	1.39	NA	NA	NA	NA	NA
	3/20-21/2006	5.93	NA	NA	6.79	937	64.6
	6/13-14/2006	3.56	NA	NA	6.79	918	66.0
M-8	4/23/2002	0.42	5	<5	NA	NA	NA
	5/14/2002	NA	NA	NA	7.14	633	65.5
	8/12/2002	0.61	NA	NA	NA	NA	NA
	8/13/2002	NA	NA	NA	7.14	549	65.5
	12/11/2002	NA	NA	NA	NA	NA	NA
	3/11/2003	NA	NA	NA	NA	NA	NA
	3/12/2003	NA	NA	NA	11.62	573	60.8
	6/11/2003	NA	NA	NA	NA	NA	NA

**Notes:**

mg/L = milligrams per liter

uS/cm = microSiemens per centimeter

°F = degrees Fahrenheit

NA = Not analyzed

\* = Where applicable, both the field and laboratory results for pH are reported as follows (field / lab).

**Table 4. Analytical Results of Groundwater Monitoring Well Samples**  
 Former Exchange Bank Site  
 330 Sebastopol Road, Santa Rosa, CA

Well ID	Sample Date	TPH-G	Benzene	Toluene	Ethyl-benzene	Total Xylenes	1,2-dibromo ethane (EDB)	1,2-dichloro ethane (EDC)	5 Oxygenates ug/L					Tetra chloro ethene (PCE)	Trichloro ethene (TCE)	cis-1,2-dichloro ethene
									Tert-butyl alcohol (TBA)	Methyl tert-butyl ether (MTBE)	Di-isopropyl ether (DIPE)	Ethyl tert-butyl ether (ETBE)	Tert-amyl methyl ether (TAME)			
Water Quality Objectives in ug/L	<50	<1	<42	<29	<17	None	<0.5	<12	<5	None	None	None	None	None	None	None
M-1	12/29/1992	16,000	420	200	420	1,400	NA	NA	NA	NA	NA	NA	NA	^	^	^
	1/27/1993	15,000	400	190	400	1,400	NA	NA	NA	NA	NA	NA	NA	^	^	^
	12/11/1993	16,000	200	96	450	1,400	NA	NA	NA	NA	NA	NA	NA	^	^	^
	5/13/1994	19,000	160	64	450	980	NA	NA	NA	NA	NA	NA	NA	^	^	^
	9/17/1994	160	8.7	2.2	3	5	NA	NA	NA	NA	NA	NA	NA	^	^	^
	10/26/1994	470	3.7	1.2	0.63	2	NA	NA	NA	NA	NA	NA	NA	^	^	^
	12/17/1994	19,000	4.1	1.6	5.5	17	NA	NA	NA	NA	NA	NA	NA	^	^	^
	3/18/1995	11,000	300	140	270	680	NA	NA	NA	NA	NA	NA	NA	^	^	^
	6/24/1995	11,000	180	53	340	830	NA	NA	NA	NA	NA	NA	NA	^	^	^
	9/23/1995	1,700	190	23	52	76	NA	NA	NA	NA	NA	NA	NA	^	^	^
	12/16/1995	13,000	92	27	310	840	NA	NA	NA	NA	NA	NA	NA	^	^	^
	3/23/1996	6,300	110	46	180	360	NA	NA	NA	NA	NA	NA	NA	^	^	^
	6/20/1996	9,800	230	100	350	680	NA	NA	NA	NA	NA	NA	NA	^	^	^
	3/12/1997	7,900	160	74	210	400	NA	NA	NA	NA	NA	NA	NA	^	^	^
	6/26/1997	7,000	97	29	130	300	NA	NA	NA	NA	NA	NA	NA	^	^	^
	12/18/1997	3,200	71	39	110	220	NA	NA	NA	NA	NA	NA	NA	^	^	^
	3/18/1998	450	7.8	3.6	17	29	NA	NA	NA	NA	NA	NA	NA	^	^	^
	6/18/1998	3,000	43	8.3	92	150	NA	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	^	^	^
	9/16/1998	2,500	120	35	150	190	NA	NA	<0.50	NA	NA	NA	NA	^	^	^
	12/30/1998	3,400	69	42	97	120	NA	NA	NA	NA	NA	NA	NA	^	^	^
	3/18/1999	490	8.8	2.5	13	25	NA	<0.50	<5	<1	<5	<5	<1	^	^	^
	6/16/1999	2,600	100	38	90	130	NA	NA	NA	NA	NA	NA	NA	^	^	^
	9/23/1999	330	23	5.2	14	20	NA	<0.50	NA	NA	NA	NA	NA	^	^	^
	12/29/1999	640	120	39	29	67	NA	NA	NA	NA	NA	NA	NA	^	^	^
	8/31/2000	440	31	7.8	22	30	NA	NA	NA	NA	NA	NA	NA	^	^	^
	10/25/2000	1,000	27	26	8	110	NA	NA	NA	NA	NA	NA	NA	^	^	^
	12/20/2000	<50	0.85	0.31	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	^	^	^
	3/15/2001	1,300	25	64	27	100	NA	NA	NA	NA	NA	NA	NA	^	^	^
	6/14/2001	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	^	^	^
	9/18/2001	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	^	^	^
	11/13/2001	280	2.3	2	0.62	17	<0.50	<0.50	59	<0.50	<0.50	<0.50	<0.50	^	^	^
	2/12/2002	210	5.3	3.9	2.1	10	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^
	5/14/2002	250	6	15	7.1	115	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^
	8/9/2002 #	<50	<0.5	<0.5	<0.5	<1.5	NA	NA	NA	NA	NA	NA	NA	^	^	^
	8/13/2002	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^
	12/12/2002	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^
	3/12/2003	77	<1.0	1.0	<1.0	3.4	1.5	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^
	6/11/2003	110	<1.0	1.5	1.0	5.3	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^
	9/10/2003	<50	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^
	3/31/2004	86	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^
	7/16/2004	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^
	9/15/2004	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^
	12/14/2004	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^
	3/24/2005	130	<1.0	<1.0	<1.0	4.7	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^
	6/16/2005	110	<1.0	<1.0	<1.0	2.3	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^
	9/29/2005	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^
	12/29/2005	62	<1.0	<1.0	<1.0	1.9	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^
	3/21/2006	85	<1.0	<1.0	<1.0	2.4	<1.0	<1.0	<12	<1.0	<1.0	<1.0	<1.0	^	^	^
	6/14/2006	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<12	<1.0	<1.0	<1.0	<1.0	^	^	^
M-2	5/13/1994	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	^	^	^
	9/17/1994	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	^	^	^
	9/17/1994	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	^	^	^
	12/17/1994	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	^	^	^
	6/24/1995	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	^	^	^
	9/23/1995	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	^	^	^
	12/16/1995	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	^	^	^
	3/23/1996	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	^	^	^
	6/20/1996	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	^	^	^
	3/12/1997	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	^	^	^
	6/26/1997	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	^	^	^
	12/17/1997	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	^	^	^
	3/17/1998	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	^	^	^
	6/19/1998	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	<5.0	<0.50	<0.50	<0.50	<0.50	^	^	^
	9/16/1998	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	<0.50	NA	NA	NA	NA	^	^	^
	12/30/1998	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	<0.50	NA	NA	NA	NA	^	^	^
	3/18/1999	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.5	<5	<1	<5	<5	<1	^	^	^
	6/16/1999	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	^	^	^
	9/23/1999	<50	<0.30	<0.30	<0.50	<0.50	NA	<0.5	<5	<10	<0.50	<0.50	<0.50	^	^	^
	12/23/1999	<50	<0.30	<1.20	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	^	^	^
	8/31/2000	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	^	^	^
	10/25/2000	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	^	^	^
	12/20/2000	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	^	^	^
	3/5/2001	<50	<0.30</td													

**Table 4. Analytical Results of Groundwater Monitoring Well Samples**  
 Former Exchange Bank Site  
 330 Sebastopol Road, Santa Rosa, CA

Well ID	Sample Date	TPH-G	Benzene	Toluene	Ethyl-benzene	Total Xylenes	1,2-dibromo ethane (EDB)	1,2-dichloro ethane (EDC)	5 Oxygenates					Tetra chloro ethene (PCE)	Trichloro ethene (TCE)	cis-1,2-dichloro ethene	
									Tert-butyl alcohol (TBA)	Methyl tert-butyl ether (MTBE)	Di-isopropyl ether (DIPE)	Ethyl tert-butyl ether (ETBE)	Tert-amyl methyl ether (TAME)				
ug/L																	
Water Quality Objectives in ug/L	<50	<1	<42	<29	<17	None	<0.5	<12	<5	None	None	None	None	None	None	None	None
M-3	2/27/1997	14,000	9.4	<4.5	250	80	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	3/13/1997	6,400	7.3	<0.30	120	80	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	6/27/1997	6,700	8.9	<4.5	170	77	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	12/18/1997	4,700	14	<0.9	180	95	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	3/17/1998	2,400	2.7	<1.2	64	67	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	6/18/1998	6,200	7.1	2.1	210	140	NA	NA	<5	0.58	<0.50	<0.50	<0.50	^	^	^	^
	9/16/1998	6,800	<0.30	<0.30	260	110	NA	NA	NA	<0.50	NA	NA	NA	NA	^	^	^
	12/30/1998	3,300	6.7	<2.4	130	53	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	3/18/1999	6,400	0.6	<0.50	170	90	NA	<0.50	<5	<1	<5	<5	<1	^	^	^	^
	6/16/1999	5,700	5.3	<2.4	190	73	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	9/23/1999	1,700	1.5	<1.2	68	11	NA	<5.0	NA	NA	NA	NA	NA	NA	^	^	^
	12/23/1999	2,000	3.6	<1.2	88	17	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	8/31/2000	2,000	1.6	<1.2	72	4.6	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	10/25/2000	390	<0.30	<0.30	3.5	1.9	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	12/20/2000	2,900	1.3	<0.30	49	3.9	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	3/15/2001	210	<0.30	<0.30	1.4	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	6/14/2001	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	9/18/2001	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	11/13/2001	<50	<0.30	<0.30	<0.50	<0.50	<0.50	<0.5	<10	<0.50	<0.50	<0.50	<0.50	^	^	^	^
	2/12/2002	<50	<0.5	<0.5	<1.5	<1.0	<1	<25	<1.0	<1.0	<1.0	<1.0	<1.0	^	^	^	^
	5/14/2002	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^	^
	8/13/2002	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^	^
	12/12/2002	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^	1.3
	3/12/2003	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^	^
	6/11/2003	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^	^
	3/31/2004	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^	^
	7/16/2004	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^	^
	9/15/2004	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^	^
	12/14/2004	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^	^
	3/24/2005	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^	^
	6/16/2005	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^	^
	9/29/2005	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^	^
	12/29/2005	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^	^
	3/21/2006	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^	^
	6/14/2006	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	^	^
M-4	3/12/1997	3,700	3.6	<0.30	110	160	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	6/27/1997	820	1.5	<0.30	7.9	20	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	12/20/1997	6,300	<0.9	<0.9	180	280	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	3/18/1998	3,800	3.8	<1.2	37	160	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	6/19/1998	6,100	<12	<12	130	180	NA	NA	<5.3	1.3	<0.53	<0.53	<0.53	^	^	^	^
	9/16/1998	2,600	2.5	<0.30	140	300	NA	NA	<0.50	NA	NA	NA	NA	NA	^	^	^
	12/30/1998	1,500	2.3	1.3	48	76	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	3/18/1999	3,100	0.8	1	100	190	NA	<0.50	<5	<1	<5	<5	<1	^	^	^	^
	6/16/1999	1,100	1.1	<1.2	29	51	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	9/23/1999	100	0.42	<0.30	0.53	<0.50	NA	<0.50	NA	NA	NA	NA	NA	NA	^	^	^
	12/29/1999	880	1.5	<1.2	39	54	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	8/31/2000	220	0.52	<0.30	7.3	7.1	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	10/25/2000	120	0.73	0.87	1.4	5.9	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	12/20/2000	500	0.52	<0.30	17	14	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	3/15/2001	<50	<0.30	<0.30	<0.50	0.74	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	6/14/2001	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	9/18/2001	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	11/13/2001	530	<0.30	<0.30	<0.50	3.2	<0.5	<0.5	90	<0.50	<0.50	<0.50	<0.50	<0.50	^	^	^
	2/12/2002	<50	<0.50	<0.50	<0.50	<1.5	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	^	^	^
	5/14/2002	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	^	^	^
	8/13/2002	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	^	^	^
	12/12/2002	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	5.7 <sup>VC</sup>	^	^
	3/12/2003	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	^	^	^
	6/11/2003	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	^	^	^
	9/10/2003	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	3.1	2.2	0.71
	3/1/2004	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	^	^	^
M-5	3/12/1997	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	6/26/1997	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	12/17/1997	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	3/17/1998	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^	^
	6/18/1998	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	<5.0	&lt							

**Table 4. Analytical Results of Groundwater Monitoring Well Samples**  
 Former Exchange Bank Site  
 330 Sebastopol Road, Santa Rosa, CA

Well ID	Sample Date	TPH-G	Benzene	Toluene	Ethyl-benzene	Total Xylenes	1,2-dibromo ethane (EDB)	1,2-dichloro ethane (EDC)	5 Oxygenates					Tetra chloro ethene (PCE)	Trichloro ethene (TCE)	cis-1,2-dichloro ethene	
									Tert-butyl alcohol (TBA)	Methyl tert-butyl ether (MTBE)	Di-isopropyl ether (DIPE)	Ethyl tert-butyl ether (ETBE)	Tert-amyl methyl ether (TAME)				
									ug/L								
M-6	Water Quality Objectives in ug/L	<50	<1	<42	<29	<17	None	<0.5	<12	<5	None	None	None	None	None	None	
	3/12/1997	<b>6,000</b>	<b>52</b>	<b>4.5</b>	<b>280</b>	<b>180</b>	NA	NA	NA	NA	NA	NA	NA	NA	^	^	
	6/26/1997	<b>3,500</b>	<b>21</b>	<b>1.2</b>	<b>110</b>	<b>36</b>	NA	NA	NA	NA	NA	NA	NA	NA	^	^	
	12/18/1997	<b>3,500</b>	<b>61</b>	<0.9	<b>340</b>	<b>83</b>	NA	NA	NA	NA	NA	NA	NA	NA	^	^	
	3/18/1998	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^	
	6/18/1998	<b>1,800</b>	<b>19</b>	<1.2	<b>63</b>	<b>31</b>	NA	NA	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	^	^	
	9/16/1998	<b>1700</b>	<b>9.7</b>	<0.30	<b>100</b>	<b>49</b>	NA	NA	<0.50	NA	NA	NA	NA	NA	^	^	
	12/30/1998	<b>1600</b>	<b>25</b>	<b>1.9</b>	<b>88</b>	<b>41</b>	NA	NA	NA	NA	NA	NA	NA	NA	^	^	
	3/18/1999	<b>780</b>	<b>3</b>	<0.50	<b>0.8</b>	<b>3</b>	NA	<0.50	<5	<1	<5	<5	<1	NA	^	^	
	6/16/1999	<b>1,900</b>	<b>23</b>	<1.2	<b>88</b>	<b>50</b>	NA	NA	NA	NA	NA	NA	NA	NA	^	^	
	9/23/1999	<b>1,700</b>	<b>30</b>	<1.2	<b>110</b>	<b>56</b>	NA	<0.50	NA	NA	NA	NA	NA	NA	^	^	
	12/29/1999	<b>1,500</b>	<b>160</b>	<b>12</b>	<b>190</b>	<b>120</b>	NA	NA	NA	NA	NA	NA	NA	NA	^	^	
	8/31/2000	<b>2,000</b>	<b>53</b>	<b>3.5</b>	<b>110</b>	<b>77</b>	NA	NA	NA	NA	NA	NA	NA	NA	^	^	
	10/25/2000	<b>1,800</b>	<b>39</b>	<1.2	<b>75</b>	<b>42</b>	NA	NA	NA	NA	NA	NA	NA	NA	^	^	
	12/20/2000	<b>4,200</b>	<b>57</b>	<6.0	<b>160</b>	<b>96</b>	NA	NA	NA	NA	NA	NA	NA	NA	^	^	
	3/15/2001	<b>3,500</b>	<b>49</b>	<1.8	<b>110</b>	<b>62</b>	NA	NA	NA	NA	NA	NA	NA	NA	^	^	
	6/14/2001	<b>3,300</b>	<b>38</b>	<0.66	<b>310</b>	<b>120</b>	NA	NA	NA	NA	NA	NA	NA	NA	^	^	
	9/18/2001	<b>1,900</b>	<14	<0.57	<b>60</b>	<b>14</b>	NA	NA	NA	NA	NA	NA	NA	NA	^	^	
	11/13/2001	<b>1,000</b>	<b>4</b>	<0.30	<b>19</b>	<b>6.6</b>	<0.50	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	^	^	
	2/12/2002	<b>1,200</b>	<b>22</b>	<b>2.6</b>	<b>56</b>	<b>50</b>	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	^	^	
	5/14/2002	<b>2,100</b>	<b>11</b>	<1.0	<b>94</b>	<b>54</b>	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	^	^	
	8/13/2002	<b>2,000</b>	<b>7.5</b>	<1.0	<b>53</b>	<b>1.0</b>	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	^	^	
	12/12/2002	<b>1,700</b>	<b>7</b>	<1.0	<b>66</b>	<b>49.3</b>	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	^	^	
	3/12/2003	<b>4,100</b>	<b>11</b>	<b>2.4</b>	<b>180</b>	<b>177.4</b>	<2.0	<2.0	<50	<2.0	<2.0	<2.0	<2.0	<2.0	^	^	
	6/11/2003	<b>2,400</b>	<b>7.0</b>	<b>1.0</b>	<b>110</b>	<b>62.7</b>	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	^	^	
	9/10/2003	<b>1,900</b>	<b>3.7</b>	<1.0	<b>74</b>	<b>44.3</b>	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	^	^	
	10/9/2003	System Expansion Start-up															
	3/31/2004	<b>890</b>	<1.0	<1.0	<b>17</b>	<b>6.6</b>	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	^	^	
	7/16/2004	<b>850</b>	<1.0	<1.0	<b>9.5</b>	<b>6.4</b>	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	^	^	
	9/15/2004	<b>180</b>	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	^	^	
	12/14/2004	<b>490</b>	<1.0	<1.0	<1.0	<b>19.3</b>	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	^	^	
	3/24/2005	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	^	^	
	6/16/2005	<b>590</b>	<1.0	<1.0	<1.0	<b>18</b>	<b>11</b>	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	^	^	
	9/29/2005	<b>510</b>	<1.0	<1.0	<b>6.8</b>	<b>4.6</b>	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	^	^	
	12/29/2005	<b>75</b>	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	^	^	
	3/21/2006	<b>76</b>	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<12	<1.0	<1.0	<1.0	<1.0	<1.0	^	^	
	6/14/2006	<b>590</b>	<1.0	<1.0	<1.0	<b>10</b>	<b>8.6</b>	<1.0	<1.0	<12	<1.0	<1.0	<1.0	<1.0	^	^	
M-7	3/12/1997	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^	
	6/26/1997	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^	
	12/17/1997	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^	
	3/17/1998	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^	
	6/18/1998	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	^	^	
	9/16/1998	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	<0.50	NA	NA	NA	NA	NA	^	^	
	3/18/1999	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	<5	<1	<5	<5	<1	NA	^	^	
	6/23/1999	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	<0.50	NA	NA	NA	NA	NA	^	^	
	8/31/2000	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^	
	10/25/2000	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^	
	12/20/2000	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^	
	3/15/2001	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	<5	<1	<5	<5	<1	NA	^	^	
	6/14/2001	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	<0.50	NA	NA	NA	NA	NA	^	^	
	11/13/2001	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	<0.50	<10	<0.50	<0.50	<0.50	<0.50	^	^	
	2/12/2002	<50	<0.50	<0.50	<0.50	<0.50	<1.5	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	^	^	
	5/14/2002	<50	<b>1.0</b>	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<b>8.3</b>	<b>9.1</b>	
	8/13/2002	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<b>10</b>	<b>13</b>	
	12/12/2002	Not sampled this event															
	3/12/2003	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<b>1.0</b>	<1.0	<1.0	<1.0	<1.0	<b>8.4</b>	<b>11</b>	^
	6/11/2003	Not sampled this event															
	9/10/2003	Not sampled this event															
	3/31/2004	Sampling no longer required															
M-8	9/16/1998	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	<0.5	NA	NA	NA	NA	NA	^	^	
	12/30/1998	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	<0.5	NA	NA	NA	NA	NA	^	^	
	3/18/1999	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	<5	<1	<5	<5	<1	NA	^	^	
	6/16/1999	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	<b>0.65</b>	NA	NA	NA	NA	NA	^	^	
	12/29/1999	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	<b>0.98</b>	NA	NA	NA	NA	NA	<b>10</b>	<b>13</b>	
	8/31/2000	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^	
	1																

**Table 4. Analytical Results of Groundwater Monitoring Well Samples**  
 Former Exchange Bank Site  
 330 Sebastopol Road, Santa Rosa, CA

Well ID	Sample Date	TPH-G	Benzene	Toluene	Ethyl-benzene	Total Xylenes	1,2-dibromo ethane (EDB)	1,2-dichloro ethane (EDC)	5 Oxygenates					Tetra chloro ethene (PCE)	Trichloro ethene (TCE)	cis-1,2-dichloro ethene
									Tert-butyl alcohol (TBA)	Methyl tert-butyl ether (MTBE)	Di-isopropyl ether (DIPE)	Ethyl tert-butyl ether (ETBE)	Tert-amyl methyl ether (TAME)			
Water Quality Objectives in ug/L		<50	<1	<42	<29	<17	None	<0.5	<12	<5	None	None	None	None	None	None
SP-9	8/1/2003	<b>7,600</b>	<10	<b>25</b>	<b>77</b>	<b>850</b>	<10	<10	<250	<10	<10	<10	<10	<10	^	^
SP-10	8/1/2003	<b>1,000</b>	<b>4.4</b>	<1.0	<b>46</b>	<b>27</b>	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	^	^
SP-11	8/1/2003	<b>2,100</b>	<b>3.4</b>	<1.0	<b>21</b>	<b>125</b>	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	^	^
QA/QC	6/24/1995	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^
QA/QC	9/23/1995	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^
TB	3/23/1996	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^
Trip Blank	2/26/1997	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^
Trip Blank	2/28/1997	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^
Travel Blank	3/13/1997	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^
EB	3/12/1997	<50	<0.30	<b>0.58</b>	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^
Trip Blank	6/27/1997	<50	<0.30	<b>0.42</b>	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^
QA	6/26/1997	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^
Trip Blank	9/16/1998	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^
Drums	3/12/1997	<b>2,700</b>	<b>43</b>	<b>16</b>	<b>100</b>	<b>180</b>	NA	NA	NA	NA	NA	NA	NA	NA	^	^
Drum	6/27/1997	<50	<b>0.48</b>	<0.30	<0.50	<b>2</b>	NA	NA	NA	NA	NA	NA	NA	NA	^	^
Drum	12/18/1997	<b>92</b>	<b>1.2</b>	<b>0.35</b>	<b>4.6</b>	<b>5</b>	NA	NA	NA	NA	NA	NA	NA	NA	^	^
Trip Blank	9/16/1998	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	<0.50	NA	NA	NA	NA	NA	^	^
Trip Blank	12/30/1998	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^
Drum	3/18/1999	<b>190</b>	<0.50	<0.50	<b>5</b>	<b>4</b>	NA	NA	NA	NA	NA	NA	NA	NA	^	^
Trip Blank	3/18/1999	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	^	^
Trip Blank	6/16/1999	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^
Trip Blank	9/23/1999	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^
Trip Blank	12/23/1999	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^
Trip Blank	8/31/2000	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^
Trip Blank	10/25/2000	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^
Trip Blank	12/20/2000	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^
Trip Blank	3/15/2001	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^
Trip Blank	6/14/2001	<50	<0.30	<b>0.36</b>	<0.50	<b>0.67</b>	NA	NA	NA	NA	NA	NA	NA	NA	^	^
Trip Blank	9/18/2001	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^
Trip Blank	9/18/2001	<50	<0.30	<0.30	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	^	^
Trip Blank	2/12/2002	<50	<0.50	<0.50	<0.50	<1.5	NA	NA	NA	NA	NA	NA	NA	AA	AA	AA
Trip Blank	5/14/2002	<50	<0.50	<0.50	<0.50	<1.5	NA	NA	NA	NA	NA	NA	NA	AA	AA	AA
Trip Blank	8/12/2002	<50	<0.50	<0.50	<0.50	<1.5	NA	NA	NA	NA	NA	NA	NA	AA	AA	AA
Trip Blank	12/12/2002	<50	<0.50	<0.50	<0.50	<1.5	NA	NA	NA	NA	NA	NA	NA	AA	AA	AA
Trip Blank	3/12/2002	<50	<0.50	<0.50	<0.50	<1.5	NA	NA	NA	NA	NA	NA	NA	AA	AA	AA
Trip Blank	6/11/2003	<50	<0.50	<0.50	<0.50	<1.5	NA	NA	NA	NA	NA	NA	NA	AA	AA	AA
Trip Blank	9/10/2003	<50	<0.50	<0.50	<0.50	<0.50	<1.5	NA	NA	NA	NA	NA	NA	AA	AA	AA
Trip Blank	3/31/2004	<50	<0.50	<0.50	<0.50	<0.50	<1.5	NA	NA	NA	NA	NA	NA	AA	AA	AA

**Notes:**

TPH-G = Denotes total petroleum hydrocarbons quantified as gasoline, analyzed by EPA Method 8015

VC = Vinyl chloride detected at 1.4 ug/L

<x = Denotes analyte not detected at, or above the detection limit of x.

NA = Denotes not analyzed; well M-2 was not accessible on March 18, 1995

^ = Concentrations of the non target constituents detected prior to 2/12/02 are not included in the table. The detection limit of the non target constituents are not available on the laboratory report.

AA = Non target constituents not detected. The detection limits are not provided on the laboratory report.

# = Samples were collected immediately prior to re-start after system had been shutdown for 51 days

**Table 5. Operation and Maintenance Data**

Former Exchange Bank Site

330 Sebastopol Road Santa Rosa, CA

Date	Sparge Point Number	Sequencing Time Per Point	Cumulative Hour Meter Reading	Max P.S.I. Setting	A.C.F.M.*
10/13/00	SP-1	1 Min	37.2	20	6.4
	SP-2			12	1.6
	SP-3			14	1.2
	SP-4			23	<1.0
	SP-5			13	<1.0
	SP-6			17	1.4
	SP-7			10	2.0
	SP-8			15	<1.0
10/18/00	SP-1	1 Min	54.7	20	1.9
	SP-2			15	3.1
	SP-3			20	3.6
	SP-4			20	<1.0
	SP-5			20	6.6
	SP-6			25	5.8
	SP-7			10	2.4
	SP-8			20	2.0
10/19/00	SP-1	1 Min	67.9	15	5.0
	SP-2			15	3.4
	SP-3			20	4.7
	SP-4			20	1.9
	SP-5			25	6.0
	SP-6			25	5.6
	SP-7			10	2.4
	SP-8			20	3.3
10/20/00	SP-1	1 Min	82.4	15	6.5
	SP-2			15	3.4
	SP-3			20	5.2
	SP-4			20	2.0
	SP-5			25	6.2
	SP-6			25	6.2
	SP-7			10	2.6
	SP-8			20	3.5
10/24/00	SP-1	1 Min	147	10	3.0
	SP-2			15	3.5
	SP-3			15	2.5
	SP-4			20	2.0
	SP-5			20	4.4
	SP-6			20	4.0
	SP-7			10	2.4
	SP-8			20	2.7
10/26/00	SP-1	1 Min	151.1	13	<1.0
	SP-2			15	3.5
	SP-3			15	2.7
	SP-4			20	2.1
	SP-5			20	4.3
	SP-6			20	4.0
	SP-7			10	2.5
	SP-8			20	3.1
10/27/00	SP-1	1 Min	158.3	10	1.4
	SP-2			15	3.8
	SP-3			15	2.8
	SP-4			20	2.4
	SP-5			20	4.3
	SP-6			20	4.0
	SP-7			10	2.6
	SP-8			20	2.9
10/30/00	SP-1	1 Min	174.5	10	1.3
	SP-2			15	3.2
	SP-3			15	2.5
	SP-4			20	2.6
	SP-5			20	1.5
	SP-6			20	3.5
	SP-7			10	2.5
	SP-8			20	3.0
11/13/00	<b>System Failure. Compressor broke and system was shutdown until arrival of new compressor</b>				

**Table 5. Operation and Maintenance Data**

Former Exchange Bank Site

330 Sebastopol Road Santa Rosa, CA

Date	Sparge Point Number	Sequencing Time Per Point	Cumulative Hour Meter Reading	Max P.S.I. Setting	A.C.F.M.*
12/07/00	<b>System Restarted</b>				
	SP-1	1 Min	290.2	10	1.7
	SP-2			15	3.3
	SP-3			15	2.6
	SP-4			20	2.2
	SP-5			20	<1.0
	SP-6			20	3.4
	SP-7			10	1.5
	SP-8			20	3.8
12/11/00	SP-1	1 Min	304	10	2.1
	SP-2			15	3.2
	SP-3			15	2.4
	SP-4			20	<1.0
	SP-5			NM	NM
	SP-6			20	2.8
	SP-7			10	1.7
	SP-8			20	2.5
12/20/00	<b>System was shut down from 12-20 to 12-21 for QM event.</b>				
12/21/00	SP-1	1 Min	328	10	<1.0
	SP-2			15	3.3
	SP-3			15	2.5
	SP-4			20	2.8
	SP-5			15	2.0
	SP-6			20	3.0
	SP-7			10	1.7
	SP-8			20	1.6
01/04/01	SP-1	1 Min	373.8	10	2.0
	SP-2			15	3.1
	SP-3			15	2.5
	SP-4			20	2.5
	SP-5			15	2.0
	SP-6			20	2.9
	SP-7			10	1.7
	SP-8			20	NM
01/12/01	SP-1	1 Min	396.4	12	1.2
	SP-2			15	3.0
	SP-3			15	2.5
	SP-4			20	2.5
	SP-5			15	1.9
	SP-6			20	2.6
	SP-7			10	1.4
	SP-8			20	2.1
01/25/01	SP-1	1 Min	441.7	10	2.0
	SP-2			15	2.6
	SP-3			15	2.2
	SP-4			20	2.3
	SP-5			15	1.7
	SP-6			20	2.3
	SP-7			10	1.3
	SP-8			20	2.1
02/16/01	SP-1	1 Min	502	13	1.1
	SP-2			15	3.2
	SP-3			15	2.0
	SP-4			20	1.8
	SP-5			15	1.6
	SP-6			20	3.1
	SP-7			10	1.3
	SP-8			15	3.6
03/26/01	SP-1	1 Min	647.3	13	1.1
	SP-2			15	3.4
	SP-3			15	2.4
	SP-4			20	2.5
	SP-5			20	2.6
	SP-6			20	2.7
	SP-7			12	1.5
	SP-8			17	2.6

**Table 5. Operation and Maintenance Data**

Former Exchange Bank Site

330 Sebastopol Road Santa Rosa, CA

Date	Sparge Point Number	Sequencing Time Per Point	Cumulative Hour Meter Reading	Max P.S.I. Setting	A.C.F.M.*
04/10/01	SP-1	1 Min	717	12	1.0
	SP-2			15	3.0
	SP-3			15	2.5
	SP-4			20	2.3
	SP-5			15	2.4
	SP-6			20	2.6
	SP-7			10	1.7
	SP-8			15	2.4
05/04/01	SP-1	2 Min	810	12	1.5
	SP-2			15	3.0
	SP-3			15	2.4
	SP-4			20	2.5
	SP-5			15	2.8
	SP-6			20	2.6
	SP-7			10	2.1
	SP-8			15	2.6
05/07/01	SP-1	2 Min	835.5	12	1.7
	SP-2			15	3.3
	SP-3			20	2.8
	SP-4			20	2.7
	SP-5			15	2.9
	SP-6			20	3.0
	SP-7			10	1.9
	SP-8			20	2.3
05/21/01	SP-1	2 Min	901	12	1.7
	SP-2			15	3.8
	SP-3			15	2.5
	SP-4			20	2.6
	SP-5			15	3.2
	SP-6			20	3.3
	SP-7			10	2.0
	SP-8			15	2.6
06/08/01	SP-1	2 Min	996	12	1.8
	SP-2			15	4.3
	SP-3			15	2.8
	SP-4			20	3.2
	SP-5			15	3.0
	SP-6			20	3.0
	SP-7			10	2.4
	SP-8			15	3.5
07/02/01	SP-1	2 Min	1130	10	2.2
	SP-2			12	3.8
	SP-3			15	3.4
	SP-4			15	3.4
	SP-5			15	3.2
	SP-6			20	3.0
	SP-7			10	2.2
	SP-8			15	2.8
07/23/01	SP-1	2 Min	1198	12	2.4
	SP-2			15	5.2
	SP-3			20	3.5
	SP-4			20	3.2
	SP-5			20	4.0
	SP-6			20	4.4
	SP-7			10	2.3
	SP-8			15	4.0
08/08/01	SP-1	2 Min	1317	12	2.1
	SP-2			15	4.1
	SP-3			15	2.9
	SP-4			20	3.4
	SP-5			15	3.0
	SP-6			20	4.1
	SP-7			10	2.0
	SP-8			15	3.6

**Table 5. Operation and Maintenance Data**

Former Exchange Bank Site

330 Sebastopol Road Santa Rosa, CA

Date	Sparge Point Number	Sequencing Time Per Point	Cumulative Hour Meter Reading	Max P.S.I. Setting	A.C.F.M.*
08/22/01	SP-1	2 Min	1387	10	2.6
	SP-2			15	4.8
	SP-3			15	2.9
	SP-4			20	3.4
	SP-5			15	2.5
	SP-6			20	4.0
	SP-7			10	2.2
	SP-8			15	3.0
10/10/01	SP-1	2 Min	1657	12	2.8
	SP-2			10	3.0
	SP-3			15	2.5
	SP-4			17	3.0
	SP-5			15	3.8
	SP-6			15	3.8
	SP-7			10	3.0
	SP-8			15	2.6
11/25/01	SP-1	2 Min	1819	15	2
	SP-2			14	2.2
	SP-3			15	2.4
	SP-4			13	2.6
	SP-5			15	2.6
	SP-6			15	2.4
	SP-7			14	2.4
	SP-8			12	2.4
12/04/01	SP-1	2 Min	1853.2	15	2.2
	SP-2			14	2.2
	SP-3			15.5	2
	SP-4			15	2.2
	SP-5			15	2.4
	SP-6			15.5	2.4
	SP-7			14	2.4
	SP-8			14	2.3
01/02/02	SP-1	2 Min	1958.7	16	1.7
	SP-2			14	2.2
	SP-3			15	2
	SP-4			15	2
	SP-5			15	1.8
	SP-6			18	1.8
	SP-7			14	2
	SP-8			15	1.6
01/13/02	SP-1	2 Min	---	15	1.8
	SP-2			14	2.2
	SP-3			15	2
	SP-4			15	2
	SP-5			15	1.8
	SP-6			17	2
	SP-7			15	2
	SP-8			15	1.8
02/28/02	SP-1	2 Min	2104.5	15	1.6
	SP-2			12	1.8
	SP-3			15	1.7
	SP-4			15	1.6
	SP-5			13	1.8
	SP-6			15	1.8
	SP-7			13	1.8
	SP-8			10	1.8
03/20/02	SP-1	2 Min	2143.5	20	2
	SP-2			20	2
	SP-3			20	2
	SP-4			20	2
	SP-5			20	2
	SP-6			20	2
	SP-7			20	2
	SP-8			20	2

**Table 5. Operation and Maintenance Data**

Former Exchange Bank Site

330 Sebastopol Road Santa Rosa, CA

Date	Sparge Point Number	Sequencing Time Per Point	Cumulative Hour Meter Reading	Max P.S.I. Setting	A.C.F.M.*
04/03/02	SP-1	2 Min	2184.9	20	1.8
	SP-2			20	2
	SP-3			20	2
	SP-4			20	2.2
	SP-5			20	2
	SP-6			20	2
	SP-7			20	2
	SP-8			20	2.4
04/23/02	SP-1	2 Min	2240.4	20	2.0
	SP-2			20	2.2
	SP-3			20	2.2
	SP-4			20	2.2
	SP-5			20	2.0
	SP-6			20	2.2
	SP-7			20	2.0
	SP-8			20	2.2
05/13/02	SP-1	2 Min	2306.5	20	2.0
	SP-2			20	2.2
	SP-3			20	2.4
	SP-4			20	2.2
	SP-5			20	2.2
	SP-6			20	2.4
	SP-7			20	2.2
	SP-8			20	2.2
05/30/02	SP-1	2 Min	2357.3	20	2.0
	SP-2			19	2.0
	SP-3			20	2.3
	SP-4			19	2.4
	SP-5			20	1.9
	SP-6			19	2.1
	SP-7			20	2.1
	SP-8			19	2.0
06/10/02	SP-1	2 Min	2390.8	20	2.0
	SP-2			19	2.1
	SP-3			20	2.7
	SP-4			20	2.5
	SP-5			20	2.0
	SP-6			19	2.1
	SP-7			20	2.1
	SP-8			20	0.4
06/19/02	<b>System failure - system shut down. 3/8" nipple from the compressor piston head to the tank had snapped.</b>				
08/09/02	<b>System Restarted</b>				
08/09/02	SP-1	2 Min	2419.8	20	2.0
	SP-2			20	2.2
	SP-3			20	2.2
	SP-4			20	2.2
	SP-5			20	2.2
	SP-6			20	2.2
	SP-7			20	2.2
	SP-8			20	2.2
08/12/02	SP-1	2 Min	2429.4	20	2.4
	SP-2			19	2.3
	SP-3			20	2.3
	SP-4			20	2.3
	SP-5			20	2.4
	SP-6			20	2.4
	SP-7			20	2.4
	SP-8			18	2.7
<b>System shutdown for QM event</b>					
08/13/02	<b>System Restarted</b>				
	SP-1	2 Min	2429.5	20	2.3
	SP-2			20	2.2
	SP-3			20	2.2
	SP-4			19	2.0
	SP-5			20	2.2
	SP-6			19	2.2
	SP-7			20	2.2
	SP-8			20	1.9

**Table 5. Operation and Maintenance Data**

Former Exchange Bank Site

330 Sebastopol Road Santa Rosa, CA

Date	Sparge Point Number	Sequencing Time Per Point	Cumulative Hour Meter Reading	Max P.S.I. Setting	A.C.F.M.*
08/28/02	SP-1	2 Min	2486.3	20	2.1
	SP-2			20	2.1
	SP-3			20	2.1
	SP-4			20	1.8
	SP-5			20	2.2
	SP-6			20	2.1
	SP-7			20	2.1
	SP-8			20	2.2
10/02/02	SP-1	2 Min	2620.8	20	2.4
	SP-2			20	2.6
	SP-3			20	2.4
	SP-4			20	2.2
	SP-5			20	2.4
	SP-6			20	2.2
	SP-7			20	2.2
	SP-8			20	2.2
10/16/02	SP-1	2 Min	2664.6	20	2.2
	SP-2			20	2.2
	SP-3			20	2.0
	SP-4			20	2.0
	SP-5			20	2.0
	SP-6			20	2.0
	SP-7			20	2.0
	SP-8			20	2.0
11/01/02	SP-1	2 Min	2720.4	20	2.2
	SP-2			20	2.2
	SP-3			20	2.2
	SP-4			20	2.2
	SP-5			20	2.2
	SP-6			20	2.2
	SP-7			20	2.2
	SP-8			20	2.2
11/20/02	SP-1	2 Min	2788.0	20	2.2
	SP-2			20	2.2
	SP-3			20	2.2
	SP-4			20	2.4
	SP-5			20	2.2
	SP-6			20	2.2
	SP-7			20	2.2
	SP-8			20	2.2
12/02/02	SP-1	2 Min	2831.7	20	2.4
	SP-2			20	2.4
	SP-3			20	2.4
	SP-4			20	2.4
	SP-5			20	2.4
	SP-6			20	2.4
	SP-7			20	2.4
	SP-8		2831.8	20	2.4
12/11/02	<b>DO Measured in wells and system shutdown for QM event.</b>				
12/12/02	SP-1	2 Min	2864.9	20	2.4
	SP-2			20	2.4
	SP-3			20	2.4
	SP-4			20	2.4
	SP-5			20	2.4
	SP-6			20	2.4
	SP-7			20	2.4
	SP-8			20	2.4
01/03/03	SP-1	2 Min	2949.2	20	2.2
	SP-2			20	2.2
	SP-3			20	2.2
	SP-4			20	2.2
	SP-5			20	2.2
	SP-6			20	2.2
	SP-7			20	2.2
	SP-8			20	2.2

**Table 5. Operation and Maintenance Data**

Former Exchange Bank Site

330 Sebastopol Road Santa Rosa, CA

Date	Sparge Point Number	Sequencing Time Per Point	Cumulative Hour Meter Reading	Max P.S.I. Setting	A.C.F.M.*
01/14/03	SP-1	2 Min	2987.4	20	2.4
	SP-2			20	2.2
	SP-3			20	2.2
	SP-4			20	2.2
	SP-5			20	2.2
	SP-6			20	2.2
	SP-7			20	2.2
	SP-8			20	2.2
02/06/03	SP-1	2 Min	3054.9	20	2.4
	SP-2			20	2.4
	SP-3			20	2.4
	SP-4			20	2.4
	SP-5			20	2.4
	SP-6			20	2.4
	SP-7			20	2.4
	SP-8			20	2.4
03/03/03	SP-1	2 Min	3128.6	20	2.4
	SP-2			20	2.4
	SP-3			20	2.4
	SP-4			20	2.4
	SP-5			20	2.4
	SP-6			20	2.4
	SP-7			20	2.4
	SP-8			20	2.4
03/19/03	SP-1	2 Min	3174.2	20	2.2
	SP-2			20	2.2
	SP-3			20	2.2
	SP-4			20	2.2
	SP-5			20	2.2
	SP-6			20	2.2
	SP-7			20	2.2
	SP-8			20	2.2
04/18/03	SP-1	2 Min	3250.1	20	2.2
	SP-2			20	2.2
	SP-3			20	2.2
	SP-4			20	2.2
	SP-5			20	2.2
	SP-6			20	2.2
	SP-7			20	2.2
	SP-8			20	2.2
05/20/03	SP-1	2 Min	3336.8	20	2.0
	SP-2			20	2.0
	SP-3			20	2.0
	SP-4			20	2.0
	SP-5			20	2.0
	SP-6			20	2.0
	SP-7			20	2.0
	SP-8			20	2.0
06/16/03	SP-1	2 Min	3404.9	20	2.0
	SP-2			20	2.0
	SP-3			20	2.0
	SP-4			20	2.0
	SP-5			20	2.0
	SP-6			20	2.0
	SP-7			20	2.0
	SP-8			20	2.0
06/30/03	SP-1	2 Min		20	2.0
	SP-2			20	2.0
	SP-3			20	2.0
	SP-4			20	2.0
	SP-5			20	2.0
	SP-6			20	2.0
	SP-7			20	2.0
	SP-8			20	2.0

**Table 5. Operation and Maintenance Data**

Former Exchange Bank Site

330 Sebastopol Road Santa Rosa, CA

Date	Sparge Point Number	Sequencing Time Per Point	Cumulative Hour Meter Reading	Max P.S.I. Setting	A.C.F.M.*
07/15/03	SP-1	2 Min	3446.5	---	---
	SP-2			---	---
	SP-3			---	---
	SP-4			---	---
	SP-5		20	2.2	
	SP-6		20	1.8	
	SP-7		20	2.0	
	SP-8		20	2.4	
<b>Note: Sparge Points SP-1 through SP-4 were turned off per the Remedial Action Plan Addendum dated 5/27/03. SP-</b>					
07/30/03	SP-1	2 Min	3446.5	---	---
	SP-2			---	---
	SP-3			---	---
	SP-4			---	---
	SP-5		20	2.2	
	SP-6		20	1.8	
	SP-7		20	2.0	
	SP-8		20	2.4	
09/09/03	SP-1	2 Min	3479.5	---	---
	SP-2			---	---
	SP-3			---	---
	SP-4			---	---
	SP-5		20	2.0	
	SP-6		20	2.0	
	SP-7		20	2.0	
	SP-8		20	2.0	
<b>Note: Sparge Points SP-9 through SP-11 were installed on July 30, 2003 and placed into service on October 9, 2003.</b>					
10/30/03	SP-4	2 Min	3551.5	---	---
	SP-5			20	2.0
	SP-6			20	2.0
	SP-7			20	2.0
	SP-8			20	2.0
	SP-9			25	2.4
	SP-10			25	2.4
	SP-11			25	2.4
11/14/03	SP-4	2 Min	3583.1	---	---
	SP-5			20	2.0
	SP-6			20	2.0
	SP-7			20	2.0
	SP-8			20	2.0
	SP-9			20	2.0
	SP-10			20	2.0
	SP-11			20	2.0
12/04/03	SP-4	2 Min	3626.0	---	---
	SP-5			20	2.0
	SP-6			20	2.0
	SP-7			20	2.0
	SP-8			20	2.0
	SP-9			20	2.0
	SP-10			20	2.0
	SP-11			20	2.0
12/15/03	SP-4	2 Min	3654.4	---	---
	SP-5			20	2.0
	SP-6			20	2.0
	SP-7			20	2.0
	SP-8			20	2.0
	SP-9			20	2.0
	SP-10			20	2.0
	SP-11			20	2.0
12/31/03	SP-4	2 Min	3680.9	---	---
	SP-5			20	2.0
	SP-6			20	2.0
	SP-7			20	2.0
	SP-8			20	2.0
	SP-9			20	2.0
	SP-10			20	2.0
	SP-11			20	2.0

**Table 5. Operation and Maintenance Data**

Former Exchange Bank Site

330 Sebastopol Road Santa Rosa, CA

Date	Sparge Point Number	Sequencing Time Per Point	Cumulative Hour Meter Reading	Max P.S.I. Setting	A.C.F.M.*
01/15/04	SP-4	2 Min	3712.4	---	---
	SP-5			20	2.0
	SP-6			20	2.0
	SP-7			20	2.0
	SP-8			20	2.0
	SP-9			20	2.0
	SP-10			20	2.0
02/11/04	SP-11			20	2.0
	SP-4	2 Min	3716.2	---	---
	SP-5			20	2.4
	SP-6			20	2.4
	SP-7			20	2.4
	SP-8			20	2.4
	SP-9			20	2.4
02/25/04	SP-10			20	2.4
	SP-11			20	2.4
	SP-4	2 Min	3712.4	---	---
	SP-5			25	2.6
	SP-6			25	2.6
	SP-7			25	2.6
	SP-8			25	2.6
03/22/04	SP-9			25	2.6
	SP-10			25	2.6
	SP-11			25	2.6
	SP-4	2 Min	3810.7	---	---
	SP-5			25	2.6
	SP-6			25	2.6
	SP-7			25	2.6
03/30/04	SP-8			25	2.6
	SP-9			25	2.8
	SP-10			25	2.8
	SP-11			25	2.8
	SP-4	2 Min	3829.1	---	---
	SP-5			25	2.6
	SP-6			25	2.4
05/05/04	SP-7			25	2.6
	SP-8			25	2.6
	SP-9			25	3.0
	SP-10			25	3.0
	SP-11			25	3.0
	SP-4	2 Min	3906.5	---	---
	SP-5			25	2.8
05/25/04	SP-6			25	2.6
	SP-7			25	2.6
	SP-8			25	2.8
	SP-9			25	3.0
	SP-10			25	3.0
	SP-11			25	3.0
	<b>Nutrient Injection for SP-9, SP-10, and SP-11.</b>				
07/01/04	SP-4	2 Min	4021.8	---	---
	SP-5			25	2.0
	SP-6			25	2.0
	SP-7			NM	NM
	SP-8			25	2.0
	SP-9			25	NM
	SP-10			25	2.2
	SP-11			25	2.2

**Table 5. Operation and Maintenance Data**

Former Exchange Bank Site

330 Sebastopol Road Santa Rosa, CA

Date	Sparge Point Number	Sequencing Time Per Point	Cumulative Hour Meter Reading	Max P.S.I. Setting	A.C.F.M.*
07/16/04	SP-4	2 Min	4022.7	---	---
	SP-5			NM	NM
	SP-6			NM	NM
	SP-7			15	1.8
	SP-8			NM	NM
	SP-9			NM	NM
	SP-10			20	2.0
	SP-11			NM	NM
	<b>Lowered SP-10 pressure from 25 psi to 20 psi due to silt in M-6</b>				
	SP-4			---	---
	SP-5			20	2.0
07/27/04	SP-6			20	2.0
	SP-7			15	2.0
	SP-8			20	2.0
	SP-9			25	2.0
	SP-10			20	2.0
	SP-11			25	2.0
	SP-4	2 Min	4088.1	---	---
	SP-5			20	2.0
08/24/04	SP-6			20	2.0
	SP-7			15	2.0
	SP-8			20	2.0
	SP-9			25	2.0
	SP-10			20	2.0
	SP-11			25	2.0
	SP-4	2 Min	4111.6	---	---
	SP-5			25	2.0
09/14/04	SP-6			25	2.0
	SP-7			15	1.8
	SP-8			25	2.0
	SP-9			25	2.0
	SP-10			20	2.0
	SP-11			25	2.0
	<b>No readings.</b>				
	<b>DO measured and system shutdown for QM event.</b>				
09/15/04	<b>System restarted post QM event.</b>				
09/20/04	<b>Pressure valve for SP-11 was turned too low, hence no readings. Increased pressure.</b>				
	SP-4	2 Min	4118.2	---	---
	SP-5			25	2.0
	SP-6			25	2.0
	SP-7			25	2.0
	SP-8			25	2.0
	SP-9			25	2.0
	SP-10			20	2.0
09/22/04	SP-11			25	2.2
	SP-4	2 Min	4122	---	---
	SP-5			20	2.0
	SP-6			25	2.0
	SP-7			25	2.0
	SP-8			25	2.0
	SP-9			25	2.0
	SP-10			20	2.0
10/06/04	SP-11			25	2.2
	SP-4	2 Min	4145.7	---	---
	SP-5			25	2.0
	SP-6			25	2.0
	SP-7			25	2.0
	SP-8			25	2.0
	SP-9			25	2.0
	SP-10			25	2.0
10/15/04	SP-11			25	2.0
	SP-4	2 Min	4160.7	---	---
	SP-5			25	2.0
	SP-6			25	2.0
	SP-7			25	2.0
	SP-8			25	2.0
	SP-9			25	2.0
	SP-10			25	2.0
10/15/04	SP-11			25	2.0

**Table 5. Operation and Maintenance Data**

Former Exchange Bank Site

330 Sebastopol Road Santa Rosa, CA

Date	Sparge Point Number	Sequencing Time Per Point	Cumulative Hour Meter Reading	Max P.S.I. Setting	A.C.F.M.*
11/02/04	SP-4	2 Min	4192.9	---	---
	SP-5			25	2.0
	SP-6			25	2.0
	SP-7			25	2.0
	SP-8			25	2.0
	SP-9			25	2.0
	SP-10			25	2.0
11/17/04	SP-11			25	2.0
	SP-4	2 Min	4218.6	---	---
	SP-5			25	2.0
	SP-6			25	2.0
	SP-7			25	2.0
	SP-8			25	2.0
	SP-9			25	2.0
12/03/04	SP-10			25	2.0
	SP-11			25	2.0
	SP-4	2 Min	4246.0	---	---
	SP-5			25	2.0
	SP-6			25	2.0
	SP-7			25	2.0
	SP-8			25	2.0
12/13/2005	SP-9			25	2.0
	SP-10			25	2.0
	SP-11			25	2.0
	<b>DO measured and system shutdown for QM event</b>				
	<b>System start-up post QM event</b>				
	SP-4	2 Min	4262.6	---	---
	SP-5			25	2.0
01/03/05	SP-6			25	2.0
	SP-7			25	2.0
	SP-8			25	2.0
	SP-9			25	2.0
	SP-10			25	2.0
	SP-11			25	2.0
	SP-4	2 Min	4298.4	---	---
01/19/05	SP-5			25	2.0
	SP-6			25	2.0
	SP-7			25	2.0
	SP-8			25	2.0
	SP-9			25	2.0
	SP-10			25	2.0
	SP-11			25	2.0
02/01/05	SP-4	2 Min	4327.8	---	---
	SP-5			25	2.0
	SP-6			25	2.0
	SP-7			25	2.0
	SP-8			25	2.0
	SP-9			25	2.0
	SP-10			25	2.0
03/24/05	SP-11			25	2.0
	<b>DO measured and system shutdown for QM event.</b>				
	<b>System start-up post QM event.</b>				
	SP-4	2 Min	4444.5	---	---
	SP-5			25	2.0
	SP-6			25	2.0
	SP-7			25	2.0
03/24/05	SP-8			25	2.0
	SP-9			25	2.0
	SP-10			25	2.2
	SP-11			25	2.4

**Table 5. Operation and Maintenance Data**

Former Exchange Bank Site

330 Sebastopol Road Santa Rosa, CA

Date	Sparge Point Number	Sequencing Time Per Point	Cumulative Hour Meter Reading	Max P.S.I. Setting	A.C.F.M.*
05/04/05	SP-4	2 Min	4521.2	---	---
	SP-5			25	2.0
	SP-6			25	2.0
	SP-7			25	2.0
	SP-8			25	2.0
	SP-9			25	2.0
	SP-10			25	2.0
05/17/05	SP-4	2 Min	4543.6	---	---
	SP-5			25	2.0
	SP-6			25	2.0
	SP-7			25	2.0
	SP-8			25	2.0
	SP-9			25	2.0
	SP-10			25	2.0
06/09/05	SP-4	2 Min	4583.1	---	---
	SP-5			25	2.0
	SP-6			25	2.0
	SP-7			25	2.0
	SP-8			25	2.0
	SP-9			25	2.0
	SP-10			25	2.0
06/15/05	SP-4	2 Min	4626.8	---	---
	SP-5			25	2.0
	SP-6			25	2.0
	SP-7			25	2.0
	SP-8			25	2.0
	SP-9			25	2.0
	SP-10			25	2.0
6/16/2005	SP-11			25	2.0
<b>DO measured and system shutdown for QM event.</b>					
<b>QM event and system start-up.</b>					
07/21/05	SP-4	2 Min	4654.9	---	
	SP-5		25	2.0	
	SP-6		25	2.0	
	SP-7		25	2.0	
	SP-8		25	2.0	
	SP-9		25	2.0	
	SP-10		25	2.0	
08/08/05	SP-11			25	2.0
	08/23/05	SP-4	2 Min	4685.3	---
		SP-5		25	2.0
		SP-6		25	2.0
		SP-7		25	2.0
		SP-8		25	2.0
		SP-9		25	2.0
09/07/05	SP-10			25	2.0
	SP-11		25	2.0	
	9/28/2005	SP-4	2 Min	4737.0	---
		SP-5		25	2.0
		SP-6		25	2.0
		SP-7		25	2.0
		SP-8		25	2.0
		SP-9		25	2.0
		SP-10		25	2.0
		SP-11		25	2.0
<b>DO measured and system shutdown for QM event.</b>					

**Table 5. Operation and Maintenance Data**

Former Exchange Bank Site

330 Sebastopol Road Santa Rosa, CA

Date	Sparge Point Number	Sequencing Time Per Point	Cumulative Hour Meter Reading	Max P.S.I. Setting	A.C.F.M.*
09/29/05					
System start-up post QM event.					
	SP-4	2 Min	4774.3	---	---
	SP-5			25	2.0
	SP-6			25	2.0
	SP-7			25	2.0
	SP-8			25	2.0
	SP-9			25	2.0
	SP-10			25	2.0
	SP-11			25	2.0
10/06/05					
SP-4 2 Min 4785.7 --- ---					
	SP-5			25	2.0
	SP-6			25	2.0
	SP-7			25	2.0
	SP-8			25	2.0
	SP-9			25	2.0
	SP-10			25	2.0
	SP-11			25	2.0
10/20/05					
SP-4 2 Min 4810.0 --- ---					
	SP-5			25	2.0
	SP-6			25	2.0
	SP-7			25	2.0
	SP-8			25	2.0
	SP-9			25	2.0
	SP-10			25	2.0
	SP-11			25	2.0
11/04/05					
SP-4 2 Min 4836.3 --- ---					
	SP-5			25	2.0
	SP-6			25	2.0
	SP-7			25	2.0
	SP-8			25	2.0
	SP-9			25	2.0
	SP-10			25	2.0
	SP-11			25	2.0
11/15/05					
Decreased air injection pressure on SP-7 due to observed high pressure in M-1.					
SP-4 2 Min 4854.8 --- ---					
	SP-5			25	2.0
	SP-6			25	2.0
	SP-7			25	2.0
	SP-8			25	2.0
	SP-9			25	2.0
	SP-10			25	2.0
	SP-11			25	2.0
12/06/05					
SP-4 2 Min 4894.5 --- ---					
	SP-5			25	2.0
	SP-6			25	2.0
	SP-7			25	2.0
	SP-8			25	2.0
	SP-9			25	2.0
	SP-10			25	2.0
	SP-11			25	2.0
12/28/2005					
DO measured and system shutdown for QM event.					
12/29/05					
System start-up post QM event.					
	SP-4	2 Min	4934.8	---	---
	SP-5			25	2.0
	SP-6			25	2.0
	SP-7			25	2.0
	SP-8			25	2.0
	SP-9			25	2.0
	SP-10			25	2.0
	SP-11			25	2.0
01/09/06					
SP-4 2 Min 4954.9 --- ---					
	SP-5			25	2.0
	SP-6			25	2.0
	SP-7			20	2.0
	SP-8			25	2.0
	SP-9			25	2.0
	SP-10			25	2.0
	SP-11			25	2.0

**Table 5. Operation and Maintenance Data**

Former Exchange Bank Site  
330 Sebastopol Road Santa Rosa, CA

Date	Sparge Point Number	Sequencing Time Per Point	Cumulative Hour Meter Reading	Max P.S.I. Setting	A.C.F.M.*
02/27/06	SP-4	2 Min	5049.4	---	---
	SP-5			25	2.0
	SP-6			25	2.0
	SP-7			20	2.0
	SP-8			25	2.0
	SP-9			25	2.0
	SP-10			25	2.0
03/09/06	SP-11			25	2.0
	SP-4	2 Min	5068.5	---	---
	SP-5			25	2.0
	SP-6			25	2.0
	SP-7			20	2.0
	SP-8			25	2.0
	SP-9			25	2.0
04/04/06	SP-10			25	2.0
	SP-11			25	2.0
	SP-4	2 Min	5115.9	---	---
	SP-5			25	2.0
	SP-6			25	2.0
	SP-7			25	2.0
	SP-8			25	2.0
04/20/06	SP-9			25	2.0
	SP-10			25	2.0
	SP-11			25	2.0
	SP-4	2 Min	5144.6	---	---
	SP-5			25	2.0
	SP-6			25	2.0
	SP-7			25	2.0
05/11/06	SP-8			25	2.0
	SP-9			25	2.0
	SP-10			25	2.0
	SP-11			25	2.0
	SP-4	2 Min	5181.6	---	---
	SP-5			25	2.0
	SP-6			25	2.0
06/09/06	SP-7			25	2.0
	SP-8			25	2.0
	SP-9			25	2.0
	SP-10			25	2.0
	SP-11			25	2.0
	SP-4	2 Min	5235.6	---	---
	SP-5			25	2.0
06/27/06	SP-6			25	2.0
	SP-7			25	2.0
	SP-8			25	2.0
	SP-9			25	2.0
	SP-10			25	2.0
	SP-11			25	2.0
	SP-4	2 Min	5262.2	---	---

**Notes:**

SP = Sparge Point

P.S.I = Pounds Per Square Inch

A.C.F.M = Actual Cubic Feet Per Minute

\* = A.C.F.M. readings after 10/10/01 is the setting after adjustment.

--- = Sparge points turned off

DO = Dissolve Oxygen

NM = Not measured

QM = Quarterly Monitoring

Sequencing time of 2 minutes per point is for testing purposes only. Normal operation time is 20 minutes per point.

**Table 6. Groundwater Monitoring and Sampling Schedule**

Former Exchange Bank Site and Vicinity

330 Sebastopol Road, Santa Rosa, CA

June 2005 - September 2006

Existing Well Name	2 <sup>nd</sup> Quarter June 2005	3 <sup>rd</sup> Quarter September 05	4 <sup>th</sup> Quarter December 05	1 <sup>st</sup> Quarter March 06	2 <sup>nd</sup> Quarter June 06	3 <sup>rd</sup> Quarter September 06	Reporting
	Quarterly Event	Semi Annual Event	Quarterly Event	Annual	Quarterly Event	Semi Annual Event	
M-1	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA 8260B	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA 8260B	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA 8260B	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA 8260B	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA 8260B	TPH-G 8015M BTEX 8260B	Quarterly
	DO DTW	DO DTW	DO DTW	DO DTW	DO DTW	DO DTW	Quarterly
M-2	NA	NA	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA 8260B	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA 8260B	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA 8260B	NA	NR
	DO DTW	DO DTW	DO DTW	DO DTW	DO DTW	DO DTW	Quarterly
M-3	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA 8260B	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA 8260B	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA 8260B	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA 8260B	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA 8260B	NA	NR
	DO DTW	DO DTW	DO DTW	DO DTW	DO DTW	DO DTW	Quarterly
M-4	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA	NA	NR
	DO DTW	DO DTW	DO DTW	DO DTW	DO DTW	DO DTW	Quarterly
M-5	NA DTW	DO DTW	NA DTW	DO DTW	DO DTW	DO DTW	Quarterly
M-6	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA 8260B Total Phosphate & Nitrate	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA 8260B Total Phosphate & Nitrate	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA 8260B	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA 8260B	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA 8260B	TPH-G 8015M BTEX 8260B	Quarterly
	DO DTW	DO DTW	DO DTW	DO DTW	DO DTW	DO DTW	Quarterly
M-7	NA	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA 8260B	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA 8260B	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA 8260B	TPH-G 8015M BTEX 8260B Oxygenates 8260B 1,2 DCA 8260B	NA	NR
	DO DTW	DO DTW	DO DTW	DO DTW	DO DTW	DO DTW	Quarterly

**Notes:**

NA = Not analyzed

NR = Not Required

M-8 no longer required to be monitored or sampled but is still present.

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**Appendix A**  
**Site-Specific Sampling Procedures**

# **WINZLER & KELLY CONSULTING ENGINEERS**

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## **Site-Specific Groundwater Sampling Procedures Former Exchange Bank Data Center 330 Sebastopol Road Santa Rosa, California June 13 and 14, 2006**

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### **1. Objective**

Collect representative water level data and groundwater samples.

### **2. Background**

Based on the analytical results of the previous sampling, field work proceeded from the monitoring wells in which the samples collected had the lowest concentrations of constituents to the wells that had the highest concentrations of constituents.

Water levels were collected to determine the direction and gradient of groundwater flow. Representative groundwater samples from the water-bearing zone were obtained using disposable polyethylene bailers following purging.

### **3. Personnel Required and Responsibilities**

Winzler & Kelly Technicians: Pon Xayasaeng and Lenny Laskowsky performed groundwater monitoring and sampling activities in accordance with the procedures outlined below.

### **4. Procedures**

#### **4a. Biosparge System Shutdown and Dissolved Oxygen (DO) Concentrations, June 13, 2006**

- The membrane on the YSI Model 55 DO meter was checked for the presence of bubbles and wrinkles, neither of which was observed.
- The meter was calibrated in the field prior to collecting measurements.
- Using the calibrated YSI Model 55 DO Meter, DO concentrations were measured in each monitoring well (except for M-8) while the biosparge system was operating.
- Following DO measurements, the biosparge system was shutdown to allow the groundwater to equilibrate to atmospheric pressure.

#### **4b. Decontamination Procedures, June 14, 2006**

- Using Alconox soap and potable water, equipment and instruments were decontaminated upon arriving at the site.
- Equipment and instruments were decontaminated after use in each well.

- Equipment and instruments were decontaminated after field activities had been completed.
- Nitrile gloves were worn by sampler at all times and changed after handling equipment and instruments.

#### **4c. Calibration Procedures, June 14, 2006**

- The UltraMeter was calibrated for conductivity and pH. Temperature calibration is not necessary in the UltraMeter.
- Conductivity was calibrated using KCl-7000 standard solution within its expiration date.
- The calibration for pH included “zeroing” the UltraMeter with a pH 7 buffer solution followed by adjusting the gain with acid and base buffers (4.00 and 10.00). All buffer solutions were within their expiration date.

#### **4c. Groundwater Elevations, June 14, 2006**

- Opened all monitoring wells to be measured and removed expandable caps.
- A water level meter was used to measure the depth-to-groundwater in each monitoring well.
- Recorded depth, time, and visual observations regarding well access, condition, security, etc. on water level data sheet.

#### **4d. Purgging, June 14, 2006**

- The volume of standing water in each monitoring well (except for M-5 and M-8) was calculated using the diameter of the well, the measured depth-to-water, and the depth-to-bottom. The volume was recorded on the Well Sampling Data Sheet for each well.
- Monitoring wells (except for M-5 and M-8) were purged using a 12-volt DC 1.5-inch electric submersible pump.
- Field parameters (pH, conductivity, and temperature) were obtained with the UltraMeter and visual observations of color/odor/turbidity at each well casing interval throughout the purging process.
- The time, readings, and visual comments were recorded on the Well Sampling Data Sheet.
- Each well was purged until field parameters stabilized, not exceeding 7 casing volumes, or until the well de-watered.
- The electric submersible pump was decontaminated after each use.
- All excess water was transferred to 55-gallon drums labeled and secured on site.

#### **4e. Groundwater Sample Collection, June 14, 2006**

- Groundwater samples were collected by lowering previously unused, disposable, polyethylene, bottom-filling bailers into the well once the water level had recharge to at least 80%.
- When completely full, the bailer was carefully retracted from the well and the groundwater was transferred from the bailers to the appropriate certified clean sampling containers.

- Groundwater transferred into 40-ml glass vials were preserved with HCl.
- Upon filling, each vial was immediately capped. The vial was checked for air bubbles by inverting and gently tapping the vial.
- All sample containers were labeled with the following information:  
 Sample ID              Date and Time Sample Collected  
 Location              Sampler's Initials
- Sample information was documented on a chain-of-custody form.
- All sample containers were placed in an ice chest chilled with ice.
- Upon completion of the sampling activities, each well was closed and secured by replacing the well cap and securing the lock.

## **5. Equipment Used:**

- Disposable gloves
- Potable water
- Alconox soap
- Containers to hold rinsate water
- Scrub brushes
- Tools to open wells
- Keys to wells
- Water Level Data Form/pencil
- Well Sampling Data Sheet
- Groundwater Sampling Log form
- Water level meter
- 12-volt DC 1.5-inch electric submersible pump
- UltraMeter
- YSI Model 55 DO meter
- Containers to hold extracted water (as required)
- Disposable bailers (previously unused)
- Monofilament nylon line (50 lb test)
- Scissors
- Laboratory supplied sample containers (preserved, as required)
- Sample labels
- Ice chest
- Ice
- Labels/indelible marker
- Trash bags
- 55-gallon drums
- Ziploc bags
- Portable 12-V battery

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**Appendix B**  
**Well Sampling Data Sheets**

## WATER LEVEL MEASUREMENT DATA SHEET

PROJECT NAME: Exchange Bank

PROJECT NUMBER: 0220805001.32002

TODAY'S DATE: 6/13/06 / 6/14/06

FIELD PERSONNEL: Levny | Pou

## Weather Conditions Today:

System shut down at 12:21, need 2 drums













## WELL SAMPLING DATA SHEET

PROJECT NAME: Exchange Bank

PROJECT DATE: 6/13/06 6/14/06

PROJECT NUMBER: 0220805001.32002

SAMPLER: Lenny Laskowski

WELL DESIGNATION: M-7

SAMPLE NUMBER: M-7

#### CONDITION OF WELL HEAD / VAULT / CAP & LOCK

- A. TOP OF CASING ELEVATION: \_\_\_\_\_  
B. DEPTH TO GROUNDWATER (initial): \_\_\_\_\_  
C. DEPTH OF WELL: 20 MEASURED: \_\_\_\_\_  
D. HEIGHT OF WATER COLUMN (C-B): \_\_\_\_\_  
E. GROUNDWATER ELEVATION (A-B): \_\_\_\_\_

CASTING DIAMETER:      2"       3"       4"       OTHER

CALCULATED WELL VOLUME: D X V =  $(20 - 9.09)(.163) = 1.78 \text{ gal}$   
Volume (V) of 2" well - 0.163 gal/ft

ODOR No

SHEEN

**FLOATING PRODUCT THICKNESS** 16

**PUMP TYPE :**

POLY BAILER \_\_\_\_\_  
ELECTRIC X ✓

STAINLESS BAILER \_\_\_\_\_  
OTHER \_\_\_\_\_

**PUMP DEPTH:**

#### **RECHARGE RATE (qualitative):**

SAMPLER TYPE: TEFILON BAILER

## ACRYLIC BAILER

## DISPOSABLE BAILER

**SAMPLES COLLECTED:**

## PRESERVED VOA'S

## UNPRESERVED VOA'S

#### PRESERVED VERSUS

#### PRESERVED LITERS

## UNPRESERVED LITERS

500 ml PLASTIC BOOTLE WITH PERSERVATIVE FOR METALS:

### FILTERED:

### **UNFILTERED:**

OTHER:

**COMMENTS:**

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**Appendix C**  
**Analytical Laboratory Report**



Analytical Sciences

Report Date: July 07, 2006

## Laboratory Report

Pon Xayasaeng  
Winzler & Kelly Consulting Engineers  
495 Tesconi Circle, Suite 9  
Santa Rosa, CA 95401

Project Name: **Former Exchange Bank** **0220805001.32002**  
Lab Project: **6061508**

This 14 page report of analytical data has been reviewed and approved for release.

A handwritten signature in blue ink that reads "Mark A. Valentini".

Mark A. Valentini, Ph.D.  
Laboratory Director



### TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result ( $\mu\text{g/L}$ )	RDL ( $\mu\text{g/L}$ )
6061508-01	M-4	Gasoline	ND	50

Date Sampled:	06/14/06	Date Analyzed:	06/19/06	QC Batch: B001158
Date Received:	06/15/06	Method:	EPA 8015M	

### TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result ( $\mu\text{g/L}$ )	RDL ( $\mu\text{g/L}$ )
6061508-02	M-3	Gasoline	ND	50

Date Sampled:	06/14/06	Date Analyzed:	06/19/06	QC Batch: B001158
Date Received:	06/15/06	Method:	EPA 8015M	

### TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result ( $\mu\text{g/L}$ )	RDL ( $\mu\text{g/L}$ )
6061508-03	M-2	Gasoline	ND	50

Date Sampled:	06/14/06	Date Analyzed:	06/19/06	QC Batch: B001158
Date Received:	06/15/06	Method:	EPA 8015M	

### TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result ( $\mu\text{g/L}$ )	RDL ( $\mu\text{g/L}$ )
6061508-04	M-7	Gasoline	ND	50

Date Sampled:	06/14/06	Date Analyzed:	06/19/06	QC Batch: B001158
Date Received:	06/15/06	Method:	EPA 8015M	



## TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result ( $\mu\text{g/L}$ )	RDL ( $\mu\text{g/L}$ )
6061508-05	M-6	Gasoline	590	50

Date Sampled:	06/14/06	Date Analyzed:	06/19/06	QC Batch: B001158
Date Received:	06/15/06	Method:	EPA 8015M	

## TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result ( $\mu\text{g/L}$ )	RDL ( $\mu\text{g/L}$ )
6061508-06	M-1	Gasoline	ND	50

Date Sampled:	06/14/06	Date Analyzed:	06/19/06	QC Batch: B001158
Date Received:	06/15/06	Method:	EPA 8015M	

## Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result ( $\mu\text{g/L}$ )	RDL ( $\mu\text{g/L}$ )
6061508-01	M-4	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		1,2-Dichloroethane (EDC)	ND	1.0
		1,2-Dibromoethane (EDB)	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	12
		Methyl tert-Butyl Ether (MTBE)	ND	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0

Surrogates	Result ( $\mu\text{g/L}$ )	% Recovery	Acceptance Range (%)
Dibromofluoromethane	21.0	105	70-130
Toluene-d8	20.9	104	70-130
4-Bromofluorobenzene	20.4	102	70-130

Date Sampled:	06/14/06	Date Analyzed:	06/22/06	QC Batch: B001181
Date Received:	06/15/06	Method:	EPA 8260B	



## Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (µg/L)	RDL (µg/L)
6061508-02	M-3	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		1,2-Dichloroethane (EDC)	ND	1.0
		1,2-Dibromoethane (EDB)	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	12
		Methyl tert-Butyl Ether (MTBE)	ND	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0
Surrogates		Result (µg/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane		20.4	102	70-130
Toluene-d8		20.7	104	70-130
4-Bromofluorobenzene		19.8	99	70-130

Date Sampled: 06/14/06 Date Analyzed: 06/22/06 QC Batch: B001181  
Date Received: 06/15/06 Method: EPA 8260B



## Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result ( $\mu\text{g/L}$ )	RDL ( $\mu\text{g/L}$ )
6061508-03	M-2	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		1,2-Dichloroethane (EDC)	ND	1.0
		1,2-Dibromoethane (EDB)	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	12
		Methyl tert-Butyl Ether (MTBE)	ND	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0
Surrogates		Result ( $\mu\text{g/L}$ )	% Recovery	Acceptance Range (%)
Dibromofluoromethane		20.4	102	70-130
Toluene-d8		20.6	103	70-130
4-Bromofluorobenzene		19.9	100	70-130

Date Sampled:	06/14/06	Date Analyzed:	06/22/06	QC Batch: B001181
Date Received:	06/15/06	Method:	EPA 8260B	



## Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result ( $\mu\text{g/L}$ )	RDL ( $\mu\text{g/L}$ )
6061508-04	M-7	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		1,2-Dichloroethane (EDC)	ND	1.0
		1,2-Dibromoethane (EDB)	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	12
		Methyl tert-Butyl Ether (MTBE)	ND	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0
Surrogates		Result ( $\mu\text{g/L}$ )	% Recovery	Acceptance Range (%)
Dibromofluoromethane		20.6	103	70-130
Toluene-d8		20.5	102	70-130
4-Bromofluorobenzene		20.0	100	70-130

Date Sampled:	06/14/06	Date Analyzed:	06/22/06	QC Batch: B001181
Date Received:	06/15/06	Method:	EPA 8260B	



## Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (µg/L)	RDL (µg/L)
6061508-05	M-6	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	10	1.0
		m,p-Xylene	8.6	1.0
		o-Xylene	ND	1.0
		1,2-Dichloroethane (EDC)	ND	1.0
		1,2-Dibromoethane (EDB)	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	12
		Methyl tert-Butyl Ether (MTBE)	ND	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0
Surrogates		Result (µg/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane		20.3	102	70-130
Toluene-d8		20.4	102	70-130
4-Bromofluorobenzene		20.1	100	70-130

Date Sampled: 06/14/06      Date Analyzed: 06/23/06      QC Batch: B001181

Date Received: 06/15/06      Method: EPA 8260B



## Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result ( $\mu\text{g/L}$ )	RDL ( $\mu\text{g/L}$ )
6061508-06	M-1	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		1,2-Dichloroethane (EDC)	ND	1.0
		1,2-Dibromoethane (EDB)	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	12
		Methyl tert-Butyl Ether (MTBE)	ND	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0
Surrogates		Result ( $\mu\text{g/L}$ )	% Recovery	Acceptance Range (%)
Dibromofluoromethane		20.9	104	70-130
Toluene-d8		20.7	104	70-130
4-Bromofluorobenzene		20.2	101	70-130

Date Sampled:	06/14/06	Date Analyzed:	06/23/06	QC Batch: B001181
Date Received:	06/15/06	Method:	EPA 8260B	

## Nitrate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6061508-01	M-4	Nitrate	0.58	0.10
Date Sampled:	06/14/06	Date Analyzed:	06/15/06	QC Batch: B001153
Date Received:	06/15/06	Method:	EPA 300	

## Nitrate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6061508-05	M-6	Nitrate	59	2.0
Date Sampled:	06/14/06	Date Analyzed:	06/15/06	QC Batch: B001153
Date Received:	06/15/06	Method:	EPA 300	



## Nitrate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6061508-06	<b>M-1</b>	Nitrate	1.6	0.10

Date Sampled:	06/14/06	Date Analyzed:	06/15/06	QC Batch: B001153
Date Received:	06/15/06	Method:	EPA 300	

## Phosphate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6061508-01	<b>M-4</b>	Phosphate	ND	0.10

Date Sampled:	06/14/06	Date Analyzed:	06/15/06	QC Batch: B001153
Date Received:	06/15/06	Method:	EPA 300.0	

## Phosphate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6061508-05	<b>M-6</b>	Phosphate	ND	0.50

Date Sampled:	06/14/06	Date Analyzed:	06/15/06	QC Batch: B001153
Date Received:	06/15/06	Method:	EPA 300.0	

## Phosphate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6061508-06	<b>M-1</b>	Phosphate	ND	0.10

Date Sampled:	06/14/06	Date Analyzed:	06/15/06	QC Batch: B001153
Date Received:	06/15/06	Method:	EPA 300.0	



## Quality Assurance Report

### TPH Gasoline in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch B001158 - EPA 5030 GC

Blank (B001158-BLK1)				Prepared & Analyzed: 06/14/06					
Gasoline	ND	50	µg/L						
Matrix Spike (B001158-MS1)				Source: 6061305-01	Prepared & Analyzed: 06/14/06				
Benzene	9.03	0.50	µg/L	10.0	ND	90	70-130		
Toluene	9.20	0.50	µg/L	10.0	ND	92	70-130		
Ethylbenzene	9.20	0.50	µg/L	10.0	ND	92	70-130		
Xylenes	28.0	1.5	µg/L	30.0	ND	93	70-130		
Matrix Spike Dup (B001158-MSD1)				Source: 6061305-01	Prepared & Analyzed: 06/14/06				
Benzene	9.10	0.50	µg/L	10.0	ND	91	70-130	1	20
Toluene	9.31	0.50	µg/L	10.0	ND	93	70-130	1	20
Ethylbenzene	9.17	0.50	µg/L	10.0	ND	92	70-130	0	20
Xylenes	27.9	1.5	µg/L	30.0	ND	93	70-130	0	20



## Volatile Hydrocarbons by GC/MS in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B001181 - EPA 5030 GC/MS</b>										
<b>Blank (B001181-BLK1)</b>										
Prepared: 06/20/06 Analyzed: 06/22/06										
Benzene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
Ethylbenzene	ND	1.0	µg/L							
m,p-Xylene	ND	1.0	µg/L							
o-Xylene	ND	1.0	µg/L							
1,2-Dichloroethane (EDC)	ND	1.0	µg/L							
1,2-Dibromoethane (EDB)	ND	1.0	µg/L							
Tertiary Butyl Alcohol (TBA)	ND	12	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Di-isopropyl Ether (DIPE)	ND	1.0	µg/L							
Ethyl tert-Butyl Ether (ETBE)	ND	1.0	µg/L							
Tert-Amyl Methyl Ether (TAME)	ND	1.0	µg/L							
 <i>Surrogate: Dibromofluoromethane</i> 20.4      µg/L      20.0      102      70-130										
<i>Surrogate: Toluene-d8</i> 20.4      µg/L      20.0      102      70-130										
<i>Surrogate: 4-Bromofluorobenzene</i> 20.2      µg/L      20.0      101      70-130										
<b>Matrix Spike (B001181-MS1)</b>										
Source: 6061508-01      Prepared: 06/20/06      Analyzed: 06/22/06										
1,1-Dichloroethene (1,1-DCE)	22.8	1.0	µg/L	25.0	ND	91	70-130			
Benzene	24.3	1.0	µg/L	25.0	ND	97	70-130			
Trichloroethene (TCE)	24.1	1.0	µg/L	25.0	ND	96	70-130			
Toluene	24.5	1.0	µg/L	25.0	ND	98	70-130			
Chlorobenzene	23.7	1.0	µg/L	25.0	ND	95	70-130			
 <i>Surrogate: Dibromofluoromethane</i> 20.4      µg/L      20.0      102      70-130										
<i>Surrogate: Toluene-d8</i> 20.3      µg/L      20.0      102      70-130										
<i>Surrogate: 4-Bromofluorobenzene</i> 20.2      µg/L      20.0      101      70-130										
<b>Matrix Spike Dup (B001181-MSD1)</b>										
Source: 6061508-01      Prepared: 06/20/06      Analyzed: 06/22/06										
1,1-Dichloroethene (1,1-DCE)	22.8	1.0	µg/L	25.0	ND	91	70-130	0	20	
Benzene	24.4	1.0	µg/L	25.0	ND	98	70-130	1	20	
Trichloroethene (TCE)	24.5	1.0	µg/L	25.0	ND	98	70-130	2	20	
Toluene	25.1	1.0	µg/L	25.0	ND	100	70-130	2	20	
Chlorobenzene	23.9	1.0	µg/L	25.0	ND	96	70-130	1	20	
 <i>Surrogate: Dibromofluoromethane</i> 19.7      µg/L      20.0      98      70-130										
<i>Surrogate: Toluene-d8</i> 20.6      µg/L      20.0      103      70-130										
<i>Surrogate: 4-Bromofluorobenzene</i> 20.5      µg/L      20.0      102      70-130										



## Nitrate in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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### Batch B001153 - Default Prep GenChem

Blank (B001153-BLK1)				Prepared & Analyzed: 06/13/06				
Nitrate	ND	0.10	mg/L					
LCS (B001153-BS1)					Prepared & Analyzed: 06/13/06			
Nitrate	1.97	0.10	mg/L	2.00	98	80-120		
LCS Dup (B001153-BSD1)					Prepared & Analyzed: 06/13/06			
Nitrate	1.90	0.10	mg/L	2.00	95	80-120	4	20



## Phosphate in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

### Batch B001153 - Default Prep GenChem

<b>Blank (B001153-BLK1)</b>										Prepared & Analyzed: 06/13/06
Phosphate	ND	0.10	mg/L							
<b>LCS (B001153-BS1)</b>										
Prepared & Analyzed: 06/13/06										
Phosphate	2.88	0.10	mg/L	3.00		96	70-130			
<b>LCS Dup (B001153-BSD1)</b>										
Prepared & Analyzed: 06/13/06										
Phosphate	2.95	0.10	mg/L	3.00		98	70-130	2	20	



## Notes and Definitions

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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

**(NW)  
S**

Analytical Sciences  
P.O. Box 750336, Petaluma, CA 94953  
110 Liberty Street, Petaluma, CA 94952  
(707) 769-3128  
Fax (707) 769-8993

# CHAIN OF CUSTODY

10/01/15 08

LAB PROJECT NUMBER:

WINZLER & KELLY PROJECT NAME:

Exchange Bank

GLOBAL ID: 027205001, 32002

## CLIENT INFORMATION

COMPANY NAME: WINZLER & KELLY CONSULTING ENGINEERS

ADDRESS: 495 TECOMI CIRCLE, SUITE 9

SANTA ROSA, CA 95401-4696

CONTACT: Paul

PHONE#: (707) 523-1010

FAX #: (707) 527-4879

TOTAL P.02

GEOTRACKER EDF: X Y N  
Global ID: 10609700062

COOLER TEMPERATURE  
Blue Ice °C

TURNAROUND TIME (check one)  
MOBILE LAB  
SAME DAY  
48 HOURS  
5 DAYS  
24 HOURS  
NORMAL X  
COC  
PAGE 1 OF 1

ITEM	CLIENT SAMPLE ID.	DATE SAMPLED	TIME SAMPLED	MATRIX	# CONT.	PRESS. YES/NO	ANALYSIS		COMMENTS	LAB SAMPLE #
							CHLORINATED ORGANIC COMPOUNDS	CHLORINATED HYDROCARBONS		
1	M-4	10/01/15	11:00 AM	5	Y	X				10/01/15 08
2	M-3	10/01/15	11:00 AM	4	Y					02
3	M-2	10/01/15	12:00 PM	4	Y					03
4	M-7	10/01/15	12:00 PM	4	Y					04
5	M-6	10/01/15	12:00 PM	5	Y					05
6	M-1	10/01/15	12:00 PM	5	Y					06
7										07
8										08
9										09
10										10
11										11

SAMPLER BY:	SIGNATURES		RECEIVED BY:	LABORATORY:
	NAME	DATE		
RElinquished By:  Larry Caskey	Larry Caskey	6/14/06 13:30	RECEIVED BY:  Larry Caskey	LABORATORY: Analytical Sciences

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## **Appendix D**

## **GeoTracker Upload Verifications**

## Electronic Submittal Information

[Main Menu](#) | [View/Add Facilities](#) | [Upload EDD](#) | [Check EDD](#)

### UPLOADING A GEO\_REPORT FILE

**YOUR DOCUMENT UPLOAD WAS SUCCESSFUL!**

**Facility Name:** EXCHANGE BANK  
**Global ID:** T0609700062  
**Title:** first quarter 2006/annual monitoring report  
**Document Type:** Monitoring Report - Annual  
**Submittal Type:** GEO\_REPORT  
**Submittal Date/Time:** 5/18/2006 2:12:59 PM  
**Confirmation Number:** 5303820550

**[Click here to view the document.](#)**

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Logged in as WINZLER (AUTH\_RP)

CONTACT SITE ADMINISTRATOR.

# Electronic Submittal Information

[Main Menu](#) | [View/Add Facilities](#) | [Upload EDD](#) | [Check EDD](#)

## UPLOADING A GEO\_WELL FILE

Processing is complete. No errors were found!  
Your file has been successfully submitted!

**Submittal Title:** 2nd Qtr 2006 Well Measurement File, Former Exchange Bank

**Submittal Date/Time:** 6/28/2006 8:46:58 AM

**Confirmation Number:** 4992359757

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